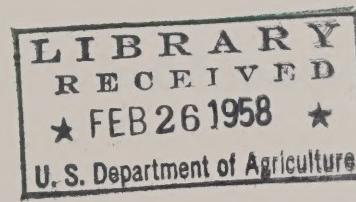


1
9
5
8

W
H
O
L
E
S
A
L
E
C
A
T
A
L
O
G
U
E

Cultured Chrysanthemums



Seeds
Bulbs
Plants
Insecticides

Geo. K.
Groff

HAROLD E. and MADELINE H. STEFFY, Props.

746 New Holland Ave.
Lancaster, Penna.
Phone Ex 2-2773

Terms of Sale

1. The minimum total order that can be accepted is 50 cuttings.
2. Fifty of each variety is the minimum that can be supplied, prices quoted F.O.B. growing station.
3. More than 50 of a variety must be in multiples of 50.
4. No C.O.D. orders.
5. SAFE ARRIVAL cannot be guaranteed. All shipments must be in satisfactory condition before being accepted by the common carrier. Our responsibility ceases upon receipt of shipment by their agent. If shipment arrives in bad order, i.e., broken, frozen or heated, call your express agent, have him inspect shipment and mark condition on the express receipt. Customer must file claim against the common carrier.

SUBSTITUTIONS. To avoid substitutions, place your order 6 months before delivery date.

CHANGES OR CANCELLATIONS on orders must be received at least 30 days before shipping date!

We, Geo. K. Groff, act as agents for the growers, and we do not warrant in any way, expressed or implied, the description, quality, productiveness or any other matter of any cuttings or plants sold by us. We further, will in no way be responsible for failure to deliver on dates requested.

If the customer does not accept the goods on above terms he must return them at once, and money will be refunded or proper credit given. We exercise, however, the greatest care to fill our orders with the highest quality possible, as it is our constant aim to give our customers fullest satisfaction.

All goods are offered subject to crop failures, shortages or other causes beyond our control and to being unsold on receipt of order, and we reserve the right to advance prices without notice.

Prices for 50 or Multiples of 50 of A Variety Per Shipment

PRICE 50 ONLY	PRICES PER 100			
	100 - 250	300 - 450	500 - 950	1000 & Up
\$3.15	\$6.00	\$5.75	\$5.50	\$5.25
3.25	6.25	6.00	5.75	5.50
3.40	6.50	6.25	6.00	5.75
3.50	6.75	6.50	6.25	6.00
3.65	7.00	6.75	6.50	6.25
3.75	7.25	7.00	6.75	6.50
3.90	7.50	7.25	7.00	6.75
4.00	7.75	7.50	7.25	7.00
4.15	8.00	7.75	7.50	7.25
4.25	8.25	8.00	7.75	7.50
4.50	8.75	8.50	8.25	8.00

New Varieties—Grower's Agreements

AVAILABLE MAY 12, 1958

The sale of cuttings of a majority of the varieties listed here as Introductions for 1958 will be subject to limitations generally referred to as "grower's agreements."

These forms will be available for customer's signature sometime after January 1, 1958, so that there will be plenty of time for their return to us before cuttings are available for shipment.

We would like to point out the importance of booking orders early, however, so as to avoid any delay due to not having agreements signed in advance.

PRICES

All prices are per 100 cuttings, except the first column on the left. Fifty cuttings are priced per 50.

Price Class	50 only	100-250	300-450	500-950	1000 - up
S-1	4.25	8.25	8.00	7.75	7.50
P	4.50	8.75	8.50	8.25	8.00

ANDANTE—(9-week response)

Oct. 25 (DePetris)—Intermediate decorative disbud. Apricot-bronze. Habit well adapted to pots from mid April thru October. MEDIUM TREATMENT. A valuable improvement over Mrs. DuPont as a spring pot. P

BAYONNE—(8-week response)

Oct. 20 (DePetris)—Intermediate incurved disbuds. Warm orange-bronze color with coral overtones. Recommended exclusively for pots, SHORT TREATMENT, from early April thru October. Quality, appeal, and dependable performance results in one of the best early bronzes for pots bred to date. P

BRIGHTON YELLOW—(9-week response)

Oct. 25—Large incurved standard mum. Intense golden yellow. Of English origin. Early and efficient for its short duration of use both as a standard and fast disbuds from mid April thru June. Variety crowns prematurely when grown in high temperature environments. P

BRILLIANTY—(9-week response)

Nov. 1 (Y.B.)—An Aztec yellow intermediate single contrasted with accenting green discs. Recognized for rigid stems, a well balanced spray formation, superb flower placement and uniform response throughout its season of use. Grow as a natural spray in greenhouse from May thru mid November. P

BR. JUBILATION—(11-week response)

Nov. 15 (Y.B.)—Large pompon. A rosewood-bronze sport of Jubilation. Equal in all respects, other than color, to its parent variety. A finishing temperature of 60° or less is required for maximum color retention. A real performer for October thru mid May greenhouse programs as well as late September and October cloth houses. They will tolerate lower bud initiation temperatures of 56-60° with uniform response. P

BRONZE PORTRAIT—(10-week response)

Nov. 8 (Rosacker)—Intense, reddish-bronze pom. A Samovar color addition to the ever-widening Portrait series. Useful in greenhouse spray program from March thru mid June and again from late September thru mid November. Pots: late September thru February using MEDIUM TREATMENT and March thru May TALL TREATMENT. P

BUNBU—(9-week response)

Nov. 1—Large, fully double, spooned tip spider. Medium lavender pink color. Tall vigorous habit with rigid stems. Is a dependable performer. Bunbu possesses traits superior to those of Mary Garden and at the same time makes a fine companion for Luyona in any program. Often requires some shade protection during the finishing period to prevent petal tip burn. S-1

CAMILLE BAUMANN—(9-week response)

Nov. 3 (Baumann)—Medium to large single disbuds. White spindle on tubular ray petals. Novel form that will enrich variation in fast disbuds programs from April thru mid December. Especially valuable to retail growers who are seeking new and unusual beauty. P

CANDYTUFT—(8-week response)

Oct. 15 (Y.B.)—Lavender-pink button pom. Short, well-branched growth habit. Produces a greater mass of small durable blooms than Masquerade, either as an early spring pot plant from May thru June, and October with MEDIUM TREATMENTS or as a natural flowering garden specimen. P

CELEBRITY—(11-week response)

Nov. 23 (Y.B.)—Intermediate decorative. Color is a discriminating shell pink. Substantially increased vigor renders this a real prize for greenhouse sprays from mid October thru mid April. Production competes favorably with any outstanding late variety for winter flowering in the north. Maximum color needs a cool 60° finish. Flower size may be enlarged by partial disspray. P

New Varieties—Grower's Agreements

CHALK CLIFF—(10-week response)

Nov. 10 (Y.B.)—Large chalk white decorative pom. The answer to a white Portrait for pots the year round, using MEDIUM TREATMENT. Foliage, habit, and flower form provide a striking resemblance. Somewhat larger than Portrait. A versatile and beautiful white that will pay its way in any pot plant program. P

CHEERFUL—(10-week response)

Nov. 12 (Y.B.)—Intermediate natural spray pom. Lavender pink with tone on tone contrast. Best described as a "Delmar" flower on a "Delight" chassis. Recommended in the greenhouse spray program from mid April thru mid December. An easy variety to cut and handle. It has class and quality, radiantly cheerful. P

CREST—(9-week response)

Oct. 25 (Univ. of Montana)—Medium sized formal pom disbud. Ivory white with cream centers. Its dwarf habit makes it a first class pot variety for mid March thru mid November MEDIUM TREATMENT. A relatively fool-proof pot variety during high light intensity periods of the year. Intolerant of winter low light environments. P

CRYSTALLITE—(9-week response)

Oct. 25 (Y.B.)—Intermediate formal pompon. Paper-white. Responds earlier than Keepsake or Igloo under high temperature summer conditions. Does not tolerate low temperatures for initiation. Response is uniform and rapid at 60° or over. P

DARKCHIP—(9-week response)

Nov. 1 (Krueger)—Intermediate dark lavender pink sport of Bluechip. Color similar to that of Pennant but brighter. In the spring months, growth is normally 3-4" taller than Bluechip and 3-4 days later to flower. P

DAYBREAK—(10-week response)

Nov. 10 (Y.B.)—A bright and lustrous orange anemone disbud. Attains 4-5" diameters with a large and well-rounded cushion. A uniquely different and tasteful color for fast disbuds programs from late March thru mid November. A true Designer's Delight. P

DESIRE—(12-week response)

Nov. 25 (Y.B.)—Intermediate anemone. Delicately colored light pink. High crowned cushions. A forerunner to faster and more efficient winter varieties for northern greenhouses. Excessive long day weeks on the regular schedule promotes early crowning and consequently over-cropping. Recommended as a fast spray from November thru mid April. Color retention demands a cool 60° finish. P

DOROTHY HYDE—(9-week response)

Oct. 25—Intermediate semi-incurred disbuds. Bright orange-bronze. Greater tolerance to low light and temperature conditions allows it to be flowered several months earlier than Fred Yule in the spring. Buds will initiate and develop at 56° or above. Most attractive form and color is retained if cut slightly green. P

DUCHESS—(9-week response)

Nov. 1 (Baumann)—Medium to large bronze spider mum, sometimes called a "Spindle" mum. Duplex form. All petals are straight and tubular. High summer finishing temperatures noticeably dulls color. Duchess along with Luyona, Plum, and John Baumann are beautiful novelties that will contribute to the eventual recognition of the fast disbuds as a new mum item. P

ECHO—(8-week response)

Oct. 15 (Y.B.)—Paper-white formal pom of intermediate size. Flowers as early as Blizzard but represents an improvement in whiteness, larger flower, and a vastly superior spray formation. Satisfactory as an outdoor cut flower for natural flowering. P

ENSIGN—(10-week response)

Nov. 10 (Y.B.)—Intermediate decorative disbuds. An ivory-white Bonaffon seedling of excellent substance with a slight cream center and dimpled petals. Well adapted to either the fast disbuds or pot plant programs from April thru December. TALL TREATMENT for pots. Useable the year round in high light areas. P

ERMINE—(11-week response)

Nov. 20 (Y.B.)—Intermediate ivory-white disbuds. Cream-eyed centers. A winter Iceberg for the fast disbuds program from November thru April. Extremely tall on the regular schedule. P

ETUDE—(11-week response)

Nov. 20 (Y.B.)—Large semi-formal pompon. A rich yellow. Represents continued improvement in productive vigor and late winter and early spring response dependability. Performs well on either the regular or fast spray schedules from March thru May and mid September thru December. Spray is benefited when center bud is removed. Rightfully described as the "Corsair" of the 11-week yellows. Durable for cloth house use. P

FANFARE—(10-week response)

Nov. 14 (Y.B.)—Golden-yellow intermediate anemone for natural spray poms. Spray programs from May thru mid November. Well adapted to cloth house conditions also. Finishing temperatures less than 60° induces bronze tinges. A fine asset to the list of suitable summer and high temperature flowering poms. P

New Varieties—Grower's Agreements

FLAME MINSTREL—(13-week response)

Dec. 13 (Delworth)—Intermediate pompon. Reddish-bronze Minstrel selection that most closely resembles Red Minstrel in appearance. This represents richer color, superior response, and vigor over all the bronze Minstrel sports. P

FOREVER AMBER—(12-week response)

Nov. 25 (Y.B.)—Intermediate wide petalled decorative disbud. Retains a velvety smooth amber bronze color. A real standout in January and February for the northern environment. Comparatively described as an improved winter luxury. P

GILTGLOSS—(10-week response)

Nov. 10 (Y.B.)—Intermediate bi-colored single. An expressive reddish-bronze contrasted with a smart green disc. Gold reverse. Medium to short growth habit. Recommended for the regular spray program from mid April thru June and mid September thru November. This will introduce a striking new color version not presently in the commercial pompon trade. P

GLAMOUR—(9-week response)

Nov. 1 (Y.B.)—A formal pom disbud of intermediate size. Lavender pink with intensified centers. Spreading and stocky growth habit render it useful primarily as a pot plant variety from March thru November. MEDIUM TREATMENT. Improves the breaking habit of Portrait and the stem strength of Blue Ribbon. P

GOLDEN SHOESMITH—(10-week response)

Nov. 12—Large incurved yellow standard. Intensified color sport of Yellow Fred Shoesmith. Useful for the same periods as parent variety. Regular standard programs and pots from mid March thru June and mid October thru December. P

HANDSOME—(9-week response)

Nov. 1 (Y.B.)—Intermediate decorative pom. Lavender pink. Slightly larger and more closely intermoded foliage lends it to pot plants the year round. TALL TREATMENT. Superb natural spray cut pom from mid April thru mid November. A highly versatile pompon. P

ILLINI BONBON—(11-week response)

Nov. 18 (Univ. of Illinois)—Very small dark yellow anemone. Short growth habit. Dainty individual flowers develop perfect, well-rounded cushions and are borne in massive clusters on short natural sprays. Exclusively for pots from March thru June and October thru December. MEDIUM or TALL TREATMENT. High temperatures stall flower development. P

INCURV. DELAWARE—(10-week response)

Nov. 8 (Ulery)—Large standard. Tightly incurved form mutation from Delaware. Quite different in appearance from parent variety in that it holds its form and conceals the open center well past maturity. Since only reverse petal color is shown, over-all color is more bronze, less red than a reflexed Delaware. Recommended for pots the year round using SHORT TREATMENT. Becomes slightly shorter and flowers 3-4 days later than parent during the marginally low light intensity periods of mid winter. P

JOHN BAUMANN—(11-week response)

Nov. 20 (Baumann)—Large paper-white spider. Duplex form. Partially spooned petals. A novel and efficient retailers item best grown in a fast disbuds program from October thru May. An exceptionally fine winter performer in the north. P

LARRY—(7-week response)

Oct 1—Intermediate paper-white pompon. Compact short habit defines its place as a high quality pot variety suitable for May and June and again in October using MEDIUM TREATMENT. Flowers with Chris. Columbus. Satisfactory as a natural spray in pots. This is tops among the 7-week whites for pots. S-1

LIPSTICK—(7-week response)

Oct. 5—Small burgundy red cushion pom. Dwarf spreading habit coupled with free breaking action add up to a reliable May and June pot plant as well as in October. SHORT TREATMENT recommended. A fine prolific garden variety. S-1

LUMINARY—(10-week response)

Nov. 5 (Y.B.)—Intermediate yellow disbuds. Decorative form. A Bonnaffon seedling that performs at its best in pots during the warm periods of the year from mid June through October. MEDIUM TREATMENT. Extremely vegetative and non-responsive during winter and early spring in the north. When Bonnaffon DeLuxe stalls in the summer, switch to Luminary. P

MERMAID—(10-week response)

Nov. 5 (Y.B.)—Intermediate pompon disbuds. Medium lavender pink with an intense tone on tone center contrast. A dwarf version of Portrait with decidedly better breaking action and spreading habit. Unfailing as a year round pot variety using SHORT TREATMENT. P

MOONTIDE—(9-week response)

Oct. 28 (Y.B.)—Medium to small ivory-white standard. Develops into a tightly incurved ball form. More accurately defined in appearance as an over-sized Luna flower. Fast growing variety. Highly recommended as a fast disbuds from March thru December. P

New Varieties—Grower's Agreements

NORTHWIND—(13-week response)

Dec. 8 (Y.B.)—Medium to large pure white single. Durable flowers enable it to be shipped without difficulty. Extremely reliable in cool 60° program. Useful in the regular greenhouse spray program from December thru February. P

PEACH CHIP—(9-week response)

Nov. 1 (Knouse)—Intermediate decorative. A warm salmon pink sport of Bluechip that retains all the fine growth habits of its parent. Recommended for spray programs from May thru June and mid September thru mid November. Price class. P

PINK DELUXE—(10-week response)

Nov. 10 (Y.B.)—Medium to large lavender pink disbud. Four to five inch decorative type flowers are produced on a Bonnaffon type chassis. Can be efficiently flowered in pots 12 months of the year with either MEDIUM or TALL TREATMENT. Color is best preserved during the summer months when developing flowers are given some shade protection. P

PLUM—(10-week response)

Nov. 10 (Baumann)—Large silvery lavender duplex spider. Petal completely tubular and partially incurved. Equal to the flawless dependability and superb growth habit of Luyona in a year-round fast disbuds program. P

PROFILE—(10-week response)

Nov. 8 (Y.B.)—Large pompon. Another distinctive color variation to add to the increasing number of beautiful Portrait sports. A lively pink shade between that of Portrait and Dark Portrait. Recommended for pots and spray programs from March thru December. Summer color is best with some shade protection, but when finished cool, maximum color expression is dazzling among the Portraits. P

RED EMPRESS—(12-week response)

Dec. 1 (Y.B.)—Large disbuds anemone. A mauve-red sport of Empress. An essentially fine and appealing fast disbuds from November thru April. P

RESOLUTE—(8-week response)

Oct. 24 (DePetris) — A large reddish-bronze semi-incurved pompon. Fully petalled. Bright red when finished cool and a smooth orange-yellow when finished warm. Versatile for pots MEDIUM TREATMENT, fast disbuds, and regular spray programs from April thru October. Resolute along with Bayonne, qualify for top billing for Mother's Day and early spring flowering pots. Should make a durable outdoor natural cut flower variety in the Southern States. P

SNOWCLAD—(9-week response)

Nov. 1 (Y.B.)—Medium, paper-white disbuds. Semi-short, stocky habit will provide a grower with a "never-fail" white pot mum the year round. MEDIUM TREATMENT. Flowers a week earlier than either Chalk Cliff or Oregon and develops superb quality during the winter months when Wilson's White is questionably soft. Has class, substance, and is tolerant to high temperatures. A pure white Criterion. P

SNOW CRYSTAL—(10-week response)

Nov. 5 (Y.B.)—Medium to large ivory white spider disbuds. Fully double form. Feathery spooned petals. Captures much of the delicate Snowdrift form from which it was bred. Strong habit and wiry stems make it an exclusively novel pot variety useable the year round. Best with TALL TREATMENT. A variety that will create interest. P

SNOWSTORM—(13-week response)

Dec. 5 (Y.B.)—A white decorative pom of medium size. Represents continued advancement to improve quality, productiveness and low temperature tolerance for northern winter pom programs. Specifically recommended in greenhouse spray programs from December thru mid March. Snowstorm's improved traits and ease of flowering will commence to decrease the popularity of Silversmith. P

SOUTHDOWN PINK—(10-week response)

Nov. 5—Intermediate duplex disbuds of Valencia size and form. Delicately shaded pink close to a true light pink carnation. Complimented with green disc centers. Wide, waxy petals. From October thru mid June. Tolerates 56° minimum temperatures. P

STACCATO—(11-week response)

Nov. 20 (Y.B.)—Intermediate formal pom. Lavender pink. Much like an 11-week Minstrel in form, but reliably responsive all through the winter from October thru April in the regular spray program. Tolerates 56° minimum. Flower durability lends itself well to cloth-house use. P

STARDUST—(10-week response)

Nov. 12 (Y.B.)—Formal white pom of intermediate size. Establishes a larger and more shapely Keepsake form. Its smart formal form has strong consumer appeal. Productive and dependable from April thru November in both regular and fast spray programs in either greenhouse or CLOTH HOUSE. Tolerates 56° minimum. P

New Varieties—Grower's Agreements

STUART OGG—(9-week response)

Oct. 25—Intermediate decorative disbud. A luminous apricot pastel rarely found in the chrysanthemum color range. An English development that grows and develops into superb fast disbuds from April thru June and again from September thru mid November. Also, rapid rate of flower development necessitates cutting early while centers are still tight. P

SUNFIRE—(10-week response)

Nov. 5 (Y.B.)—Medium to large single. Dark yellow. Wide horizontally flat petals are well extended and become partially tubed at their base. Retains its complimentary green-eyed disc for long periods which thusly contributes to its zestful appearance. A top performer in either fast or regular spray programs from May thru mid November. P

SURFSIDE—(11-week response)

Nov. 23 (Y.B.)—Large single. A clear white. Extra wide petals and green discs. Petallage has substantially more substance than found in either Illini Alba or Sculpture. The added vigor incorporated in this 11-week seedling makes it a splendid co-partner to such varieties as Jubilation, Crackerjack and the Galaxies to be flowered in spray programs from November thru March. Tolerates 56° minimum. Best grown disspray. P

THEMESONG—(9-week response)

Nov. 1 (Y.B.)—Medium semi-incurred white standard. Possesses Good News petallage and durability. Adapted especially for summer and high light intensity periods. Sufficiently versatile to fit standard, fast disbud, and pot programs from June thru mid November. TALL TREATMENT for pots. Vigor often surpasses that of Good News in mid summer. P

THISTLEDOWN—(9-week response)

Nov. 1 (Wash. State College)—Medium to small novel white decorative pompon. An improved Snowdrift flower. Provides a more fully double form of feathery serrated petals in addition to being a more clear white color. Natural spray programs from May thru October. P

TOPFLIGHT—(8-week response)

Oct. 20 (Y.B.)—Medium to small bright yellow anemone. Flowers are borne in abundant masses on both terminal and compound sprays, each floret displaying well-defined cushions without reflexing ray petals. Very productive growth performs advantageously in regular and fast spray programs from May thru October. Durability adapts it well to cloth-house use. Tolerates 52° bud initiation temperatures and high summer temperatures for development. P

VEDOVA—(11-week response)

Nov. 15 (DePetris)—Extra large Valencia size, anemone disbud. Pastel shade of a lustrous lavender pink with small green-tipped cushions. Color is best expressed in a cool 60° environment. The combination of breaking action, rigid stems, attractive foliage, and sizeable flowers far exceeds the potential that Beautiful Lady can provide. P

VENOYA—(11-week response)

Nov. 22 (DePetris)—Extra large lavender-pink anemone disbud. Strikingly similar in growth to Vedova, Venoya flower develops a substantially larger green-eyed cushion with greater depth, in addition to flowering 5 to 7 days later. Fast and regular disbud programs, and pot plant programs using TALL TREATMENT from October thru May. P

WAGONWHEELS—(9-week response)

Oct. 25 (Y.B.)—Intermediate anemone. Silvery-coral reverse color as displayed by all completely tubular petals. A novel form representing a spoked wheel in appearance. Vigorous growth habit develops tall plants abundantly supplied with spray masses of perfect florets. Suitable outdoor cut flower in the fall for either shaded or natural flowering. P

YELLOW ALBATROSS—(9-week response)

Nov. 1—Large incurved. Lemon-yellow sport of Albatross. Primarily a West Coast variety possessing better than average shipping qualities. Suitable for mid September thru mid November standard programs. Price Class. S-1

YELLOW SHOESMITH—(10-week response)

Nov. 12—Large yellow incurves. Richly colored sport of Fred Shoesmith. Identical in most respects to parent. Slightly tighter form incurvature and less lower petal reflex. Fine for pots during the same period using TALL TREATMENT. Cool finishing temperatures are favorable to the most rapid flower development for the Shoesmiths. P

YELLOW MARBLEHEAD—(9-week response)

Oct. 25 (Rosacker) — Medium lemon-yellow incurve. Sport of Marblehead. Recommended for standard and fast disbud programs from May thru October. The Marbleheads require the high light, high temperature combination to achieve maximum stretch and flower size. Price Class. P

YELLOW ILL. SNOWDRIFT—(10-week response)

Nov. 12 (Weigold)—Small novelty decorative. Intense yellow sport of Illini Snowdrift. Similar to original. Natural greenhouse spray program from mid April thru mid November. Natural spray, pinched pots for the same period using TALL TREATMENT. It's cute! It's different! P

YELLOW TAFFETA—(11-week response)

Nov. 15 (Coward)—Intermediate lemon-yellow sport from Taffeta. Depth of color varies slightly with light intensity. A variety worthy of consideration as an addition to the rest of the Taffeta group when flowering in greenhouse spray programs from March thru May and from mid September thru November. P

YELLOW WAIKIKI—(10-week response)

Nov. 13—Large spider. Clear lemon-yellow sport from Waikiki. Similar in habit. Splendid in either the regular or fast disbud programs in the fall, October thru mid November. S-1

Pompons, Decoratives, Singles and Anemones

WHITE

	Flowering Date	Price 50 Only		Flowering Date	Price 50 Only
7-Week Varieties — Pinch July 1					
*Ostosa—Int. Paper White Pompon, Semi-dwarf Plant	Sept. 25	4.00	Vesper—Int. Pompon	Nov. 10	4.00
*Chris Columbus—Int. Decorative	Oct. 5	3.65	Nagona—Int. Single	Nov. 10	4.15
Avalanche—Snow White Decorative	Oct. 5	4.15	*Little America—Pure White; Int. Anemone	Nov. 10	3.65
*Horizon—Pure White; Int. Pompon	Oct. 5	3.90	*Illini Snowdrift—Novelty— Int. Decorative	Nov. 12	3.65
*Benora—Int. Pompon	Oct. 8	4.00			
*Maestro—Int. Pompon	Oct. 10	4.15			
*Classic—Small Semi-formal Pompon	Oct. 10	4.00			
*Silverplate—Int. Decorative	Oct. 12	4.00			
8-Week Varieties — Pinch July 10					
*Pilgrim—Clear White Int. Pompon	Oct. 15	4.15	White Taffeta—Pure White Sport of Taffeta	Nov. 15	3.75
Blizzard—Improves Norona	Oct. 15	3.90	Sculpture—Ivory White—L. Single	Nov. 15	3.90
Calif. White Daisy—Int. Single	Oct. 15	4.00	White Norma—Sport of Norma	Nov. 15	4.00
*Gardenia—Lg. White Decorative	Oct. 15	3.75	Snowflurry—Small Pompon	Nov. 15	4.00
Irene—Small Pompon	Oct. 15	4.15	Illini Starflower—Semi-Anemone, Novelty	Nov. 18	4.00
Norona—Small Pompon	Oct. 15	4.00	Greco's Carnation—Int. Pompon. Resembles Carnation	Nov. 20	4.25
Pristine—Pure White; Int. Pompon	Oct. 20	3.65	Seafoam—Int. Pompon	Nov. 20	4.00
Shibuya White—Int. White Daisy	Oct. 20	4.15	*L. I. Beauty—Yellow Cushion; L. Anemone	Nov. 20	3.75
Silvertone—Int. Single	Oct. 24	3.90	Highbrow—Ivory White; Int. Dec.	Nov. 20	3.75
9-Week Varieties — Pinch July 16					
Popcorn—Int. Pompon; Tints, Pink	Oct. 25	3.75	Nevada—Green Cushion; Int. Anemone	Nov. 20	3.90
White Popcorn—Cream White Sport of Popcorn	Oct. 25	3.65	Priscilla—Int. Pompon	Nov. 20	3.75
*Monty—Decorative; Improves Wilson's White	Oct. 25	3.75	Illini Bountiful—Int. Decorative	Nov. 23	4.15
Silverbow—Lg. Formal Pompon	Oct. 25	4.00	Crystal Beauty—Int. Pompon	Nov. 23	4.15
Keepsake—Cr. White; Int. Pompon	Oct. 25	3.50	Paramount—Int. Pompon	Nov. 23	3.65
White Keepsake—No pink tint	Oct. 25	3.75	Belray—Large Pompon	Nov. 24	3.50
Pinocchio—Small Pompon	Oct. 25	3.65	Carrara—Int. Decorative	Dec. 3	3.90
Songster—Int. Pompon	Oct. 25	3.75			
Vesta—Trim White Button Pompon	Oct. 25	3.90			
Arcadia—Int. Pompon	Oct. 28	4.00			
Momento—Chalk White Single	Oct. 30	4.00			
Silver Cloud—Int. Single	Nov. 1	4.00			
Halo—Ivory White; Int. Single	Nov. 1	3.75			
Sea Gull—Ivory White; Int. Pompon ..	Nov. 1	3.75			
*Alaska—Anemone; Improves Shasta	Nov. 1	3.65			
White Doty—Large Pompon	Nov. 1	3.90			
10-Week Varieties — Pinch July 22					
Freedom—Int. Single	Nov. 5	4.15			
White Top—Int. Decorative	Nov. 5	3.25			
Iceberg—Large Pompon	Nov. 5	3.50			
Madonna—Int. Pompon	Nov. 5	3.75			
*Whitehouse—Int. Anemone	Nov. 5	4.15			
Encore—Pure White; Int. Pompon	Nov. 5	3.65			
White Anemone—Large Anemone	Nov. 5	4.00			
White Mensa—Large Single	Nov. 5	4.15			
Tiptop—Sport of Whitetop. Tubular Petals	Nov. 5	3.75			
Feathertop—Feathered Sport of Whitetop	Nov. 5	3.75			
Moonglow—Int. Pompon	Nov. 8	4.00			
*Pacesetter—Int. Single	Nov. 10	3.65			
Icecream—Int. Decorative	Nov. 10	4.15			
Ill. Igloo—Int. Pompon	Nov. 10	3.65			
Shasta—Int. Anemone	Nov. 10	3.25			
Dynamo—Int. Pompon	Nov. 10	4.00			
11-Week Varieties — Pinch July 28					
Vesper—Int. Pompon			White Taffeta—Pure White Sport of Taffeta	Nov. 15	3.75
Nagona—Int. Single			Sculpture—Ivory White—L. Single	Nov. 15	3.90
*Little America—Pure White; Int. Anemone			White Norma—Sport of Norma	Nov. 15	4.00
*Illini Snowdrift—Novelty— Int. Decorative			Snowflurry—Small Pompon	Nov. 15	4.00
12-Week Varieties — Pinch August 5					
White Princess—Pure White Button			Illini Peace—Productive Anemone for Thanksgiving	Nov. 25	4.00
Silvercrest—Small Formal Pompon			Champ—Large Anemone	Nov. 28	4.25
*White Lady—Sport of Beautiful Lady			White Valencia—Sport of Valencia	Nov. 28	3.90
Illini Peace—Productive Anemone for Thanksgiving			Cordova—Cream White; Int. Dec.	Nov. 30	3.90
Fortune—Int. Formal Pompon			Monarch—Ivory White; L. Decorative	Dec. 1	3.65
Illini Glacier—Medium Anemone			Illini Glacier—Medium Anemone	Dec. 1	4.15
13-Week Varieties — Pinch August 10					
White Enchantress—Large Anemone ..			White Enchantress—Large Anemone ..	Dec. 5	3.90
Cameo—Ivory White; Int. Dec.			Cameo—Ivory White; Int. Dec.	Dec. 5	3.90
Acclaim—Large Formal Pompon			Acclaim—Large Formal Pompon	Dec. 5	3.40
Spangles—Int. Pompon			Spangles—Int. Pompon	Dec. 5	3.90
Cotillion—Int. Semi-Formal Pompon ..			Cotillion—Int. Semi-Formal Pompon ..	Dec. 5	4.15
Illini Alba—Int. Daisy			Illini Alba—Int. Daisy	Dec. 5	4.25
Orway—Large Single			Orway—Large Single	Dec. 8	4.25
Snowdrop—Small Pompon			Snowdrop—Small Pompon	Dec. 8	4.15
White Snowdrop—Sport of Snowdrop ..			White Snowdrop—Sport of Snowdrop ..	Dec. 8	3.90
Illini Starlet—Int. Anemone			Illini Starlet—Int. Anemone	Dec. 10	3.90
White Sup. Imp.—Large Anemone			White Sup. Imp.—Large Anemone	Dec. 10	4.00
Yukon—Int. Single			Yukon—Int. Single	Dec. 10	4.00
Ice Cap—Int. Pompon			Ice Cap—Int. Pompon	Dec. 10	4.25
Satellite—Int. Pompon			Satellite—Int. Pompon	Dec. 13	3.90
Dolomite—Int. Pompon			Dolomite—Int. Pompon	Dec. 13	4.00
*Snowcrest—Small Pom. Green Eye			*Snowcrest—Small Pom. Green Eye	Dec. 13	3.75

*Recommended for Pot Culture

Pompons, Decoratives, Singles and Anemones

WHITE

	Flowering Date	Price 50 Only		Flowering Date	Price 50 Only		
14-Week Varieties — Pinch August 15							
Trenton—Int. Pompon	Dec. 15	3.90	Wedding Bells—Small to Medium Formal Pompon	Dec. 20	4.00		
Silversmith—Int. Decorative	Dec. 15	3.50					
Snowcap—Large Formal Pompon	Dec. 15	3.75	15-Week Varieties — Pinch August 20				
Garza—Int. Anemone	Dec. 15	3.75	Revelation—Int. Decorative	Dec. 25	3.65		
White Riviera—Int. Decorative; Ivory	Dec. 15	4.15	Snow—Int. Pompon	Dec. 25	3.65		
Elegance—Int. Decorative	Dec. 20	4.25	Talmeda—Int. Pompon	Jan. 5	3.75		
Heirloom—Int. Decorative	Dec. 20	4.00	Illini Cascade—Improves Snowbound ..	Jan. 5	3.75		

YELLOW

7-Week Varieties — Pinch July 1

*Yel. Chris. Columbus—Sport of Chris. Columbus	Oct. 1	3.65
*Moonlight—Int. Decorative	Oct. 1	4.15
*Astoria—Int. Lemon Pompon	Oct. 5	4.00
Polaris—Int. Single	Oct. 5	4.15
Chas. Nye—Int. Decorative	Oct. 5	4.00
*Chiquita—Deep Lemon Button	Oct. 5	4.00
*Yellow Spoon—Int. Spoon	Oct. 5	4.00
*Lee Powell—Lge. Dec. Golden Yellow	Oct. 10	4.15
*Goldrush—Small Single	Oct. 10	4.15
Treasure—Small Pompon	Oct. 10	4.00
Bright Forecast—Small Formal Pompon	Oct. 10	3.90

9-Week Varieties — Pinch July 16

Goldfinch—Gold. Yel. Button Pompon	Oct. 25	4.15
*Starlight—Large Single	Oct. 25	4.15
Golden Herald—Gold. Yellow; L. Dec.	Oct. 25	3.65
Gold Coast—Int. Pompon	Oct. 25	3.40
Early Yel. Daisy—Yellow Single	Oct. 25	4.15
Yellow Dot—Int. Pompon	Oct. 25	4.00
Happiness—Large Single	Oct. 28	4.00
Sunup—Small Pompon	Oct. 28	3.90
Yellow Arcadia—Sport of Arcadia	Oct. 28	4.00
Sauterne—Int. Single Intense Yellow	Oct. 30	3.75
Gondola—Int. Single Clear Yellow	Oct. 30	4.00
Dandy—Int. Pompon	Nov. 1	4.00
Statesman—Small Pompon	Nov. 1	4.00
Yel. Halo—Sport of Halo	Nov. 1	4.15
Yellow Doty—Buff Yellow; Large Pompon	Nov. 1	4.15
Starbright—Deep Yellow; L. Single	Nov. 1	3.90
Yel. Daisy—Int. Single	Nov. 1	4.00
Yel. Sea Gull—Light Yellow Sport of Sea Gull	Nov. 1	4.15
*Sunray—Int. Single	Nov. 3	3.75
Honeymoon—Lge. Single Clear Yellow	Nov. 4	4.00

10-Week Varieties — Pinch July 22

Yellowtop—Sport of Whitetop	Nov. 5	4.00
Aztec—Int. Daisy	Nov. 5	3.75
Barcarole—Int. Pompon	Nov. 5	3.90
Brigadoon—Int. Single	Nov. 5	4.15
Crescendo—Large Pompon	Nov. 5	3.65
*Constellation—Int. Decorative	Nov. 5	3.90
Yellow Iceberg—Lemon Yellow Sport	Nov. 5	3.75
Nuggets—Small Pompon	Nov. 5	4.15

Wedding Bells—Small to Medium Formal Pompon	Dec. 20	4.00
15-Week Varieties — Pinch August 20		
Revelation—Int. Decorative	Dec. 25	3.65
Snow—Int. Pompon	Dec. 25	3.65
Talmeda—Int. Pompon	Jan. 5	3.75
Illini Cascade—Improves Snowbound ..	Jan. 5	3.75
Illini Snowbound—Int. Decorative	Jan. 5	3.90

Yel. Beauregard—Int. Yellow Sport	Nov. 5	3.65
*Jealousy—Intense Yellow, Green Eye; S. Pompon	Nov. 10	3.65
Yel. Shasta—Sport of Shasta	Nov. 10	3.40
Cream Shasta—Shasta Sport	Nov. 10	3.90
Luxury—Large Decorative	Nov. 10	3.75
Yellow Igloo—Int. Pompon	Nov. 10	3.65
Heydey—Int. Pompon	Nov. 10	4.00
*Yel. Pacesetter—Yellow Sport	Nov. 10	4.00

11-Week Varieties — Pinch July 28

Golden Chord—Lem. Yellow Sport of Sculpture	Nov. 15	3.65
Yellow Sculpture—Int. Decorative	Nov. 15	3.90
Princeton—Gold. Yel.; Int. Pompon	Nov. 15	4.00
Forty-Niner—Int. Formal Pompon	Nov. 15	3.40
Gold Ball—Int. Pompon	Nov. 15	3.75
Illini Goldilocks—Int. Decorative	Nov. 15	3.75
Susanne Miller—Large Anemone	Nov. 15	4.00
Souvenir—Int. Dk. Yel. Daisy	Nov. 15	4.25
Esquire—Int. Dk. Yel. Decorative ..	Nov. 15	4.25
*Yel. L. I. Beauty—Sport of L. I. Beauty	Nov. 20	3.90
Yel. Highbrow—Sport of Highbrow	Nov. 20	3.75
Lollipop—Int. Pompon	Nov. 20	3.50
Pippin—Int. Pompon	Nov. 20	3.75
Klondike—Orange Yel. Int. Pompon ..	Nov. 20	3.75
Bojangles—Int. Single	Nov. 20	4.15
Yellow Nevada—Sport of Nevada	Nov. 20	4.00
Ill. Sunspot—Large Pompon	Nov. 20	3.90
Sultan—Large. Formal Decorative ..	Nov. 22	4.00
Yel. Paramount—Int. Pompon Deep Yellow	Nov. 23	3.75

12-Week Varieties — Pinch August 5

Goldenrod—Int. Pompon	Nov. 25	3.90
Illini Gold—Deep Golden Yellow Int. Pompon	Nov. 25	4.15
Goldsmith—Large Decorative	Nov. 25	3.75
Highlander—Int. Formal Decorative ..	Nov. 25	3.75
Sunnyside—Int. Pompon	Nov. 25	3.65
Illini Wampum—Yellow Anemone, Greenish Yellow Cushion	Nov. 25	4.00
Yellow Valencia—Sport of Valencia ..	Nov. 28	3.90
Yellow Cordova—Sport of Cordova ..	Nov. 30	4.15
Omega—Int. Pompon	Dec. 1	3.65
Yel. Galaxy—Sport of Galaxy	Dec. 1	3.75
Yellow Fortune—Deep Yel. Sport Int. Pompon	Dec. 1	3.90

*Recommended for Pot Culture

Pompons, Decoratives, Singles and Anemones

YELLOW

	Flowering Date	Price 50 Only	Flowering Date	Price 50 Only
13-Week Varieties — Pinch August 10				
Jack-Pot—Golden Yellow; L. Dec.	Dec. 5	4.00	Yel. Garza—Sport of Garza	Dec. 15 3.90
Golden Acclaim—Int. Pompon	Dec. 5	3.75	Shamrock—Large Decorative	Dec. 15 3.75
Yellow Acclaim—Good Yel. Sport	Dec. 5	3.75	December Gold—Golden Yellow; Int. Decorative	Dec. 15 4.00
Coronation—Int. to Lg. Decorative	Dec. 5	4.25	Vibrant—Int. Decorative	Dec. 20 3.65
Yellow Enchantress—Lge. Anemone	Dec. 5	3.90	Golden Elegance—Int. Decorative	Dec. 20 4.25
Yellow Cameo—Sport of Cameo	Dec. 5	4.15	Sun Valley—Int. to Lge. Pompon	Dec. 20 4.25
Cinderella—Int. Single	Dec. 5	4.00	Sunrise—Int. Pompon	Dec. 20 3.75
Yellow Satellite—Yellow Sport	Dec. 10	3.75	Gold. Anniversary—Small Pompon	Dec. 25 4.00
Yellow Supreme—Large Anemone	Dec. 10	4.00		
Corsair—Large Semi-Formal Pompon ..	Dec. 12	3.50		
Yel. Snowcrest—Clear Yellow Sport ..	Dec. 13	3.90		
14-Week Varieties — Pinch August 15				
Illini Brighteyes—Int. Anemone	Dec. 15	4.25		
Yellow Riviera—Golden Yellow; Sport of Riviera	Dec. 15	4.15		
15-Week Varieties — Pinch August 20				
Siren—Int. Decorative			Dec. 25 3.75	
Yuleflame—Large Decorative			Dec. 25 3.75	
Yellow Snow—Sport of Snow			Dec. 25 3.75	
Golden Snowbound—Imp. Selection ...			Jan. 5 4.00	
Ill. Yel. Snowbound—Sport of Ill. Snowbound			Jan. 5 4.00	

BRONZE AND RED

	Flowering Date	Price 50 Only		
7-Week Varieties — Pinch July 1				
W. P. Snyder—Coral Bronze; Int. Decorative	Oct. 1	4.00	Seneca—Orange Red; Int. Dec.	Nov. 1 4.15
*Aglow—Orange Bronze Pom	Oct. 5	4.15	Firefly—Orange Red; Int. Pompon	Nov. 1 4.00
*Mona—Small Pompon	Oct. 5	4.00	Bronze Daisy—Light Bronze; Sport Yellow Daisy	Nov. 1 4.00
Huntsman—Reddish Bronze; Lge. Dec.	Oct. 5	4.15	Bronze Chip—Int. Decorative	Nov. 1 4.00
*Remembrance—Int. Red Pompon	Oct. 5	3.75	*Ginger—Int. Anemone	Nov. 1 4.15
*Red Velvet—Velvety Crimson; Int. Decorative	Oct. 10	4.15	*Barbara Fuller—Coral Red Anemone ..	Nov. 1 3.90
Carmine Queen—Carmine Red; Small Pompon	Oct. 10	4.15	Buccaneer—Orange Apricot; Int. Single	Nov. 1 3.75
Carnival—Burnt-Orange; Small Pompon	Oct. 10	4.00	Red Seneca—Red Sport of Seneca	Nov. 1 4.00
*Dollie Ette—Int. Spoon	Oct. 10	4.15	Br. Buckingham—Sport of Pk. Calif. Daisy	Nov. 1 4.15
*Toronto—Dec. Cushion Type	Oct. 10	4.15	Navaho—Red; Int. Pompon	Nov. 1 4.00
*Morrocco—Int. Decorative	Oct. 12	4.15	Red Daisy—Red; Int. Single	Nov. 1 3.90
*Corallhue—Small Apricot Pom.	Oct. 12	4.15	Imp. Red Daisy—Sport of Red Daisy ..	Nov. 1 4.00
*Mrs. Du Pont—Coral Buff; Large Decorative	Oct. 12	4.25		
8-Week Varieties — Pinch July 10				
Radiance—Int. Decorative; Red	Oct. 15	4.00	10-Week Varieties — Pinch July 22	
Calumet—Rawhide Bronze Pompon	Oct. 15	4.00		
Rajah—Scarlet Red; Int. Single	Oct. 15	4.15	*Jetfire—Int. Flaming Red Decorative	Nov. 5 3.50
James Stewart—Apricot Gold; Small Pompon	Oct. 15	4.00	Nectarine—Apricot Orange Dec.	Nov. 5 4.00
Lee-Ette—Small Double Spider	Oct. 20	4.15	Dark Beauregard—Mahogany Bronze Sport	Nov. 5 4.00
Talisman—Talisman Bronze; Int. Single	Oct. 20	4.15	Orange Beauregard—Int. Pompon	Nov. 5 3.65
Paradise—Coral Red; Int. Single	Oct. 20	4.15	Beauregard—Reddish Orange; Int. Pompon	Nov. 5 3.40
9-Week Varieties — Pinch July 16				
Gaiety—Coral Bronze; Int. Single	Oct. 25	4.00	Butterscotch—Golden Bronze; Int. Pompon	Nov. 5 4.00
Firebird—Reddish Bronze; Int. Dec.	Oct. 25	4.00	Red Rust—Reddish Bronze; Int. Decorative	Nov. 5 4.00
Bronze Dot—Sport of Pink Dot	Oct. 25	3.75	*Rubicon—Bronze Red; Int. Dec.	Nov. 5 3.65
Buckskin—Tawny Bronze; Small Singles	Oct. 25	3.75	Magician—Bronze; L. Pompon	Nov. 5 4.00
*Red Ethrelda—Int. Anemone	Oct. 25	4.00	Bittersweet—Bittersweet Red; Int. Single	Nov. 5 3.90
Sally—Small Pompon	Oct. 25	4.00	*Gypsy—Bronze; Small Anemone	Nov. 8 4.00
Sybil—Golden Apricot; Int. Daisy	Oct. 30	3.90	Samovar—Reddish Bronze; Int. Pompon	Nov. 10 3.75

*Recommended for Pot Culture

Pompons, Decoratives, Singles and Anemones

BRONZE AND RED

	Flowering Date	Price 50 Only
*Bronze Pandora—Bright Coral Bronze Sport	Nov. 10	4.00
Climax—Intense Orange; Int. Pompon	Nov. 10	3.65
*Copperhead—Coppery Bronze; L. Dec. Red Hunidinger—Burgundy Red Sport	Nov. 10	3.75
*Br. Masterpiece—Sport of Masterpiece Dk. Br. Masterpiece—Sport of Br. Masterpiece	Nov. 12	3.75
Paragon—Red; L. Pompon	Nov. 12	3.90
Amberhue—Int. Daisy	Nov. 14	4.00

11-Week Varieties — Pinch July 28

Beauregard Supreme—Large Flowered Sport	Nov. 15	3.75
Ranger—Orange Int. Pompon	Nov. 15	4.25
Mrs. Dewey—Deep Bronze; L. Single	Nov. 15	4.00
Red Princeton—Brazil Red; Sport of Princeton	Nov. 15	4.15
Thelma—Orange Scarlet, Int. Pom.	Nov. 15	3.50
*Illini Warrior—Bronze and Gold; Int. Dec.	Nov. 20	4.00
Legal Tender—Bronze and Gold; Int. Dec.	Nov. 20	3.90
Rusticon—Rust Red; Int. Pompon	Nov. 20	3.75
*Illini War Paint—Maroon Red; Dec. ..	Nov. 22	3.90
Olnura—L. Anemone; Apricot Bronze	Nov. 22	3.90
Rubaiyat—Velvety Red, Formal Pom	Nov. 23	3.65
Festival—Apricot Red; Small Single ..	Nov. 23	4.00
Br. Minuet—Sport of Minuet	Nov. 23	4.00
Red Rolinda—Red; Int. Anemone	Nov. 23	3.90

12-Week Varieties — Pinch August 5

Illini Red Wood—Hard Int. Pompon .. Nov. 25

	Flowering Date	Price 50 Only
Br. Goldsmith—Mars Orange; Int. Decorative	Nov. 25	3.75
Falcon—Reddish Brown; Int Pompon ..	Nov. 25	4.15
Yolanda—Dk. Orange Bronze; Int. Anemone	Nov. 25	4.15
Indian Head—Reddish Apricot; Int. Single	Nov. 28	4.00
Apricot Valencia—Sport of Valencia ..	Nov. 28	3.90
Crimson Valencia—Sport of Valencia ..	Nov. 28	4.00
Galaxy—Orange Scarlet; Int. Single	Dec. 1	3.65
Holiday—Int. Red Single	Dec. 1	3.90
Orange Galaxy—Sport from Galaxy	Dec. 1	4.15
Crackerjack—Red Bronze, Int. Daisy ..	Dec. 1	4.25

13-Week Varieties — Pinch August 10

	Flowering Date	Price 50 Only
Br. Enchantress—Sport of Enchantress	Dec. 5	4.15
Debonair—Crimson Red; L. Pompon ..	Dec. 5	3.90
Red Enchantress—Maroon; Large Anemone	Dec. 5	3.90
Imp. Bronze Supreme—L. Anemone ..	Dec. 10	4.15
Harlequin—Crimson Red; Int. Dec. ..	Dec. 10	4.00
Christmas Star—Scarlet Red; Int. Single	Dec. 12	3.75
Br. Minstrel—Coral Sport of Minstrel	Dec. 13	3.90
Dk. Br. Minstrel—Reddish Bronze Sport of Minstrel	Dec. 13	3.90
Red Minstrel—A Sport	Dec. 13	3.90

14-Week Varieties — Pinch August 15

	Flowering Date	Price 50 Only
Bronze Riviera—Sport of Riviera	Dec. 15	4.00
Claret—Brilliant Red; Int. Single	Dec. 15	4.15
Topaz—Orange Bronze; Int. Single	Dec. 15	4.15
Christmas Greeting—Crimson Scarlet; Int. Decorative	Dec. 15	3.65
Merrymaker—Crimson; Int. Single	Dec. 15	3.75
Poinsettia—Scarlet Red; L. Single	Dec. 20	3.75

PINK

7-Week Varieties — Pinch July 1

*Spellbound—Int. Decorative	Oct. 1	3.65
*Mischief—Small Single. Dark Purple	Oct. 10	3.90
*Joybringer—Salmon Rose; Int. Pompon	Oct. 10	3.90
*Alert—Intense Purple Decorative	Oct. 14	3.75
*Fuchsia Beauty—Lt. Pink Cushion Type Decorative	Oct. 14	4.15

8-Week Varieties — Pinch July 10

Cupid—Small Pink Decorative	Oct. 15	4.15
Mayfair—Light Pink; Int. Sgl.	Oct. 15	4.15
*Citation—Int. Pompon (Disbud)	Oct. 15	4.15
Enterprise—Amaranthe; Int. Pompon ..	Oct. 15	4.15
*Eliz. Hood—Lavender; Lg. Pompon ...	Oct. 15	4.00
*Jewell—Lavender; Small Pompon	Oct. 15	4.00
Mirth—Light Pink; Int. Single	Oct. 20	3.90
Carolyn Yosick—Lavender; Small Decorative	Oct. 20	3.90
Mary McArthur—Small Pompon	Oct. 23	4.15
Prelude—Coral Pink; Int. Single	Oct. 24	4.15

9-Week Varieties — Pinch July 16

Reveille—Small Pink Pompon	Oct. 25	4.15
Pinkette—Extra Fine; Int. Pompon	Oct. 28	3.90
Vogue—Large Single	Oct. 28	4.15
*Reward—Int. Single	Oct. 25	3.75
*Ethrelda—Int. Orchid Anemone	Oct. 25	4.00
Gail—Small Pompon	Oct. 25	4.00
Pink Dot—Int. Pompon	Oct. 25	3.65
Betty Rose—Lavender; L. Anemone	Oct. 25	4.15
Thomas Johnson—Large Decorative Deep Orchid	Oct. 28	4.00

Pink Chip—Light Pink Sport	Nov. 1	4.00
Dk. Pk. Buckingham—Int. Single	Nov. 1	4.15
*Blue Chip—Int. Decorative (Disbud)	Nov. 1	3.25
Lillian Doty—Rose Pink; L. Pompon ..	Nov. 1	4.00
Tempo—Hard Flower; Int. Dec.	Nov. 3	3.90

10-Week Varieties — Pinch July 22

Parisienne—Int. Shell Pink Single	Nov. 5	3.90
Delight—Int. Daisy	Nov. 5	3.75
Dark Portrait—Dark Magenta Sport ..	Nov. 8	4.00
Pink Portrait—Light Lavender Pink	Nov. 8	4.00
*Portrait—Large Pink Pompon	Nov. 8	3.25

*Recommended for Pot Culture

*Pompons, Decoratives, Singles and Anemones***PINK**

	Flowering Date	Price 50 Only		Flowering Date	Price 50 Only
*Criterion—Int. Pink Dec.	Nov. 8	3.65	12-Week Varieties — Pinch August 5		
Dark Bulkeley—Int. Formal Pompon ..	Nov. 8	4.15	Delmar—Int. Pompon	Nov. 25	3.75
Cadenza—Large Anemone	Nov. 10	4.00	Illini Roseglow—Int. Pompon	Nov. 25	4.00
Personality—Large Incurved Pompon ..	Nov. 10	4.00	Princess—Small Pink Pompon	Nov. 25	4.00
Bonnie—Int. Pompon	Nov. 10	3.75	*Beautiful Lady—Lavender; L. Anemone	Nov. 25	3.75
Pennant—Int. Dk. Pk. Decorative	Nov. 10	3.65	Valencia Orchid Pink; Large Single	Nov. 28	3.90
Pandora—Luminous Pink; L. Dec.	Nov. 10	3.75	Dark Valencia—Sport of Valencia	Nov. 28	3.75
Dk. Pk. Pandora—Sport	Nov. 10	4.15	Dubonnet Valencia—Deep Orchid		
Salmon Pandora—Excellent Color	Nov. 10	4.15	Sport of Valencia	Nov. 28	4.15
*Thyra—Int. Formal Pompon	Nov. 10	4.15	Orchid Valencia—Orchid Sport		
*Illini Accent—Deep Purple Lg. Dec. ..	Nov. 10	4.25	of Valencia	Nov. 28	4.15
Scintillation—Int. Pompon	Nov. 10	4.15	Salmon Valencia—Salmon Pink		
Linda Lou—Yellow Cushion;			Sport of Valencia	Nov. 28	4.00
Int. Anemone	Nov. 10	3.90	Nugano—Int. Pompon	Nov. 30	4.15
Dark Linda Lou—Sport of Linda Lou	Nov. 10	4.15	Heritage Dk. Pink; L. Formal Pompon	Dec. 1	4.00
Tuxedo—Large Anemone	Nov. 10	4.15	Empress Deep Pink. Large Anemone	Dec. 1	4.25
*Humdinger—Large Formal Pompon,			13-Week Varieties — Pinch August 10		
Luminous Violet Purple	Nov. 10	3.75	Eminence—Int. Daisy	Dec. 5	4.25
*Masterpiece—Int. Pompon	Nov. 12	3.75	Enchantress—Large Anemone	Dec. 5	4.00
*Rose Masterpiece—Rose Pk. Sport			Dark Enchantress—Deep Pink Sport		
of Masterpiece	Nov. 12	3.90	of Enchantress	Dec. 5	4.00
Memorial—Int. Anemone	Nov. 12	4.15	Pink Snowdrop—Light Pink Sport	Dec. 8	3.90
11-Week Varieties — Pinch July 28			Argyle—Outstanding Pompon	Dec. 10	4.15
Taffeta—Int. Anemone	Nov. 15	3.65	Debutante Large Single	Dec. 10	3.75
Dark Taffeta—Dark Pink Sport	Nov. 15	3.75	Pink Supreme—Large Anemone	Dec. 25	4.15
Magic—Orchid Pink Int. Anemone	Nov. 15	4.25	Imp. Dk. Supreme—Sport of Dark		
Dark Norma—Deep Lavender;			Pink Supreme	Dec. 10	4.00
L. Anemone	Nov. 15	4.00	Minstrel—Int. Formal Pompon	Dec. 13	3.75
Illini Springtime—Int. Pink Single ...	Nov. 15	4.15	Dk. Pk. Minstrel—Clean Deep		
Jubilation—Large Pompon	Nov. 15	4.15	Mulberry Shade	Dec. 13	3.90
Rhythm—Light Pink, Int. Daisy	Nov. 15	4.25	Imp. Pk. Minstrel—Color Resembles		
Grand Slam—Silvery Shell Pink;			Pink Dot	Dec. 13	3.90
L. Single	Nov. 20	4.00	14-Week Varieties — Pinch August 15		
Almega—Lavender Pink; L. Pompon ..	Nov. 20	3.65	Riviera—Luminous Pink; Int. Dec.	Dec. 15	3.90
*Pink L. I. Beauty—Lt. Pink Sport			Rosalind—Int. Single	Dec. 20	4.15
of L. I. Beauty	Nov. 20	4.00	Defiance—Int. Decorative	Dec. 20	4.00
Dark Almega—Deep Lavender Sport ..	Nov. 20	3.75	Medallion—Int. Pompon	Dec. 20	3.90
Marion Breedon—Improves Pink			Rose Medallion—Sport of Medallion ..	Dec. 20	4.15
L. I. Beauty	Nov. 20	4.25	Lynda McLane—Late Pink Pompon	Dec. 25	3.90
Dk. L. I. Beauty—Improves Pink			Alvoda—Large Decorative	Dec. 25	3.75
L. I. Beauty	Nov. 20	4.15			
Minuet—Int. Pompon	Nov. 23	3.90			
*Illini Formal—Rose Pink; Int. Pompon	Nov. 23	3.90			

*Recommended for Pot Culture

Standards

BRONZE AND RED

	Flowering Date	Price 50 Only	Flowering Date	Price 50 Only
8-Week Varieties — Pinch July 10				
Mayford's Triumph —Large Orange Bronze Decorative	Oct. 15	4.00	*Bronze Calypso —Lge. Inc. Pot Variety	Nov. 8 4.00
Amber Bright —Golden Bronze Semi-Incurved	Oct. 15	3.90	Anaconda —Coppery Red; Lge. Inc. ..	Nov. 8 3.90
9-Week Varieties — Pinch July 16				
Hilda Bergen —Int. Incurved	Oct. 25	4.00	*Delaware —Semi-Inc. Reddish Bronze ..	Nov. 8 3.50
Red Glitters —Sport of Glitters	Oct. 28	4.15	Darryl Chew —Red Bronze, Lge. Dec.	Nov. 8 3.90
*Antique —Bronze Spider Mum	Nov. 1	4.15	Ann Chew —Short Bronze Incurve	Nov. 10 3.90
Ivanhoe —Reddish Bronze; S. Incurved	Nov. 1	3.90	Copper Queen —Sport of Orchid Queen	Nov. 10 4.00
Apricot Queen —Orange Bronze; Int. Incurved	Nov. 1	4.15	Br. Orchid Queen —Sport of Orchid Queen	Nov. 10 3.90
Detroit News —Reddish Bronze; Int. Incurved	Nov. 1	3.40	Mrs. Roy —Red; Int. Incurved	Nov. 13 3.65
Royal Bronze —Orange Bronze; S. Incurved	Nov. 1	3.75	Garnet King —Deep Red; Int. Reflexed	Nov. 13 3.90
Fred Yule —Glowing Orange Bronze Inc.	Nov. 3	4.00	Waikiki —Spider, Bronze Tube, Yellow Tips	Nov. 13 4.00
*Ind. Bronze —Int. Incurved	Nov. 5	3.50	11-Week Varieties — Pinch July 28	
*Ind. Golden Bronze —Quilled; For Pot Plant Use Only	Nov. 5	4.15	Mrs. Eisenhower —Vivid Golden Bronze Spider	Nov. 18 4.00
Dk. Ind. Bronze —Sport of Int. Bronze	Nov. 5	3.50	Balcombe Perfection —Incurve Copper Bronze	Nov. 18 4.15
*Indianapolis Apricot —Int. Incurved Apricot Bronze	Nov. 5	3.90	Red Balcombe Perfection —Bright Red Copper Reverse	Nov. 18 4.15
10-Week Varieties — Pinch July 22				
Gena Harwood —Buff Bronze; Spider ..	Nov. 5	3.90	*Calvert's Gold —Semi-Incurve; Amber	Nov. 20 3.75
Nomago —Bronze; Spider	Nov. 5	4.00	Br. Frick —Sport of Helen Frick	Nov. 20 4.15
Mamaru —Buff Bronze; Spider	Nov. 5	4.15	12-Week Varieties — Pinch August 5	
Br. Peter John —Lge. Dec. Rust Red	Nov. 25	4.00	Gladys Pearson —Buff Bronze; Int. Incurved	Nov. 25 3.75
(All Peter John varieties require 600 minimum for bud initiation, 550 for bud development)			Oak Leaf —Deep Bronze; Int. Inc.	Nov. 25 3.75
			Muto's Crimson —Red; Int. Semi-Inc. ..	Dec. 1 4.00

WHITE

	Flowering Date	Price 50 Only		
8-Week Varieties — Pinch July 10				
White Pink Chief —Int. Incurved Sport	Oct. 15	4.00	*Granite State —Small Semi-Incurved	Oct. 25 3.75
Silver Sheen —Int. Incurved	Oct. 20	3.65	Ambassador —Cream White; Int. Semi-Incurved	Oct. 25 3.75
White Chief —Int. Incurved	Oct. 20	3.90	*Queen's Lace —Spider	Nov. 1 3.65
*Christina —Small Incurved	Oct. 23	4.00	*Wilson's White —Int. Incurved	Nov. 1 3.50
9-Week Varieties — Pinch July 16				
Silver Queen —White Fuji Mum	Oct. 25	4.00	Albatross —Pure White; Int. Incurved	Nov. 1 3.40
Marblehead —Small Incurve	Oct. 25	3.75	White Mary Garden —White Sport	Nov. 1 3.90
Mrs. Robinson —Int. Incurved	Oct. 25	3.90	Luna —Small Cream Incurve	Nov. 1 3.75
			*Indianapolis White —Int. Incurved	Nov. 5 3.15
			Imp. Indianapolis White —Better for Winter	Nov. 5 3.75

*Recommended for Pot Culture

Standards

WHITE

	Flowering Date	Price 50 Only	Flowering Date	Price 50 Only
10-Week Varieties — Pinch July 22			11-Week Varieties — Pinch July 28	
Nightingale—Chartreuse Green Spider	Nov. 5	3.90	Sterling—Large Incurred	Nov. 15 4.00
Giant Betsy Ross—Sport of Betsy Ross	Nov. 5	3.40	*Marketeer—Int. Semi-Incurved	Nov. 18 3.65
White Rayonnante—Spider	Nov. 5	3.90	*White Frick—Int. Incurred	Nov. 20 4.15
*Oregon—Large Inc. for Pots	Nov. 5	4.00	Indiana Market—Int. Incurred	Nov. 20 4.15
Whirlwind—Large Shaggy Reflex	Nov. 5	4.00		
Susan Leighton—Lge. Spider, Ivory	Nov. 6	3.90		
Sentinel—Int. Incurve	Nov. 8	4.00		
Jean Elizabeth—L. Semi-Incurved	Nov. 10	3.90		
Mefo—Large Ivory Incurve	Nov. 10	3.40		
Crystal Queen—Imp. Jean Elizabeth ..	Nov. 10	3.65		
White Pockett—Large Incurred	Nov. 10	4.00		
Monument—Ivory White; Int. Inc.	Nov. 10	3.75		
White Yamane—Large Spider	Nov. 10	3.90		
*Fred Shoesmith—Large Incurve	Nov. 12	4.25		

YELLOW

	Flowering Date	Price 50 Only		Flowering Date	Price 50 Only
8-Week Varieties — Pinch July 10			11-Week Varieties — Pinch July 28		
Harvest Golden—Large Decorative	Oct. 15	3.75	Yellow Queen—Sport of Orchid Queen	Nov. 10 3.65	
*Gold Lode—Int. Reflexed	Oct. 15	4.00	Yellow Mefo—Lge. Lemon Incurve	Nov. 10 3.40	
Celestra—Small Semi-Incurved	Oct. 15	4.00	Cream Mefo—Cream Colored Sport ..	Nov. 10 3.90	
*Sunburst—Reflexed Decorative	Oct. 20	4.00	Yellow Pockett—Large Incurred	Nov. 10 4.15	
Mrs. Kidder—Int. Incurred	Oct. 20	3.75	Yellow Monument—Spt. of Monument	Nov. 10 3.75	
*Butterball—Int. Incurve	Oct. 20	3.90	Honey Dew—Int. Incurred	Nov. 12 4.00	
*Blazing Gold—Golden Yellow; Int. Semi-Incurved	Oct. 23	3.50			
9-Week Varieties — Pinch July 16			11-Week Varieties — Pinch July 28		
*Georgia—Improves Blazing Gold	Oct. 24	3.75	Lorraine—Spider	Nov. 15 4.15	
Yel. Ambassador—Sport of Ambassador	Oct. 25	3.90	Yellow Marketeer—Sport of Marketeer	Nov. 18 4.00	
Luyona—Large Yellow Spider	Oct. 25	3.90	*Bonnaffon Deluxe—Small Incurred	Nov. 20 3.15	
Sunglow—Golden Yellow; Int. Inc.	Oct. 25	3.90	*Friendly Rival—Int. Incurred	Nov. 20 3.75	
*Wilson's Yellow—Lemon Yellow Sport	Nov. 1	4.00	Harvester—Int. Incurve	Nov. 23 3.65	
Yellow Lace—Sport of Queen's Lace ..	Nov. 1	3.75	Marie DePetris—Golden Yellow; Int. Incurred	Nov. 23 3.75	
Gold Lace—Imp. Yellow Lace	Nov. 1	3.75			
*Imp. Ind. Yellow—Selection of Ind. Yellow	Nov. 5	3.25	12-Week Varieties — Pinch August 5		
*Ind. Yellow—Int. Incurred	Nov. 5	3.25	Yellow Peter John—Large Lemon Decorative	Nov. 25 4.00	
*Dk. Ind. Yellow—Pot Plant Use Only	Nov. 5	3.50	Dk. Yellow Chattanooga—Sport of Chattanooga	Nov. 25 3.75	
Good News—Int. Incurred	Nov. 1	3.15	Yel. Chattanooga—Sport of Chattanooga	Nov. 25 3.90	
Yellow Ivanhoe—Golden Yellow Sport	Nov. 1	3.75	Golden Pearson—Int. Incurred	Nov. 25 3.75	
10-Week Varieties — Pinch July 22			*Sungold—Int. Incurred	Nov. 25 3.90	
Chairman—Lge. Golden Decorative	Nov. 5	4.00	Yellow Glory—Int. Incurred	Dec. 1 3.90	
*Indianapolis Gold—Intensified Color ..	Nov. 5	3.75	Golden Mrs. Ross—Golden Yellow; L. Incurred	Dec. 3 3.75	
Yellow Betsy Ross—Int. Incurve Lemon Yellow	Nov. 5	4.00	Yellow Moeller—Sport of Margaret Moeller	Dec. 3 4.15	
Yel. Rayonnante—Spider	Nov. 5	4.50			
Imp. Yel. Rayonnante Imp. Selection	Nov. 5	3.90	13-Week Varieties — Pinch August 10		
*Yellow Leighton—Large Spider	Nov. 6	4.00	Chalice—Int. Incurred	Dec. 5 4.15	
Gordon Wells—Int. Lemon Incurve	Nov. 8	4.25	Smith's Cream White—Cream Sport	Dec. 10 4.00	
*Yellow Calypso—Lge. Inc. for Pots	Nov. 8	4.00	Tobin's Yellow—Int. Semi-Incurved ..	Dec. 13 3.65	
*Yel. Delaware—Int. Deep Lemon Incurve	Nov. 8	4.00	Meteore—Int. Semi-Incurved	Dec. 13 3.75	
			Dauntless—Golden Yel; Semi-Incurved	Dec. 13 4.15	

*Recommended for Pot Culture

Standards

PINK

	Flowering Date	Price 50 Only		Flowering Date	Price 50 Only
8-Week Varieties — Pinch July 10					
Pink Chief—Lavender; Int. Incurred	Oct. 15	3.75	Laughter—Int. Semi-Incurve	Nov. 10	4.00
*Major Bowes—Incurred Lavender	Oct. 20	4.00	Merriment—Large Decorative	Nov. 10	4.15
9-Week Varieties — Pinch July 16					
Mary Garden—Spider	Nov. 1	3.90	Pink Yamane—Large Spider	Nov. 10	3.90
*Blue Ribbon—Small Incurred for Pots	Nov. 1	4.00	Peggy Hoover—Spider	Nov. 10	4.15
*Queen of Pinks—Small Incurve	Nov. 1	3.50	Pink Pockett—Large Incurred	Nov. 10	4.15
10-Week Varieties — Pinch July 22					
J. W. Prince—Lavender; Int. Incurred	Nov. 5	3.75	11-Week Varieties — Pinch July 28		
Rayonnante—Spider	Nov. 5	3.90	Aristocrat—Int. Lavender Incurve	Nov. 15	3.90
*Ind. Pink—Int. Incurred	Nov. 5	3.25	Calvert's Pink—Int. Incurve	Nov. 17	3.75
Orchid Queen—Orchid Pink; Semi-Incurve	Nov. 10	3.75	Rose Delight—Int. Semi-Incurve	Nov. 20	3.90
Lavender Queen—Sport of Orchid Queen	Nov. 10	3.75	*Helen Frick—Rose Pink; Int. Incurred	Nov. 20	3.90
Dk. Orchid Queen—Deep Pink Sport of Orchid	Nov. 10	3.65	*Thanks. Pink—Deep Pink; Int. Reflexed	Nov. 23	3.90
13-Week Varieties — Pinch August 10					
Pink Mistletoe—Int. Incurred			Ed. Seidewitz—Lavender; Int. Inc.	Nov. 23	3.90
			Pink Peter John—Large Decorative ...	Nov. 25	4.00
			Dk. Pk. Peter John—Intensified Color	Nov. 25	4.00

*Recommended for Pot Culture

AMERICAN GROWN AND IMPORTED BULBS

Fall and Spring Planting

NARCISSUS
IRIS
TULIPS
HYACINTHS
CROCUS

GLADIOLUS
LILIES
FREESIA
TUBEROUS BEGONIAS
GLOXINIAS

FIELD GROWN CARNATIONS

We can supply your needs in Field Grown Carnations for
the 1958 Season; clean well branched Field Grown Stock
July and later.

Note: Write for prices and further information on Bulbs and
Carnations.

Garden Mums

**SYMBOLS — (L) LARGE — (D) DECORATIVE — (P) POM — (C) CUSHION
 (S) SINGLE — (B) BUTTON — (CF) CARNATION FLOWERED — (*D) BEST DISBUDDED**

NOTE: Garden Varieties only—We can furnish in units of 25 at an additional charge of 1 cent for each cutting.

Variety	Price					Variety	Price				
	Size & Type	Color	Height	Matures	50 Only		Size & Type	Color	Height	Matures	50 Only
WHITE						YELLOW continued					
Osage	(CD)	Pure White	Med.	Sept. 5	4.00	*Early Yellow	(B)	Dp. Lemon	Short	Sept. 15	3.75
Candlelight	(D)	Ivory	Med.	Sept. 15	3.90	Muriel Rice	(LD)	Lt. Lemon	Med.	Sept. 15	4.15
D. D. Ahrens	(D)	White	Tall	Sept. 10	4.00	*Ming	(P)	Orange Yel.	Med.	Sept. 18	4.15
**Crystal Maid	(D)	Cream	Short	Sept. 10	4.00	Golden Gopher	(D)	Orange Yel.	Med.	Sept. 20	4.25
**Chris Columbus	(LD)	Cream	Tall	Sept. 15	3.65	Golden Wonder	(P)	Golden	Med.	Sept. 25	3.90
*Gloria	(D)	Cream	Med.	Sept. 15	4.00	Golden Sunset	(LD)	Cop. Gold	Med.	Sept. 25	3.90
*Calcite	(D)	Cream	Med.	Sept. 15	3.75	Canary Wonder	(P)	Canary	Med.	Sept. 25	3.90
Polar Ice	(LD)	White	Med.	Sept. 15	3.90	Chas. Nye	(LP)	Dp. Lemon	Tall	Sept. 25	4.00
*Wh. Bounty	(B)	White	Tall	Sept. 15	3.65	*Honeycomb	(P)	Golden	Med.	Sept. 25	4.00
White Sail	(LD)	Cream Cen.	Med.	Sept. 23	4.50	*Moonlight	(D)	Bright Yel.	Med.	Sept. 25	4.15
*White Rice	(LP)	White	Short	Sept. 25	3.90	*D Lee Powell	(LD)	Chinese Yl.	Tall	Sept. 25	4.15
Jes. Williams	(Spoon)	Quilled	Med.	Sept. 25	4.15	Tangerine	(LD)	Dp. Orange	Med.	Sept. 25	3.90
Wh. Wonder	(LP)	Ivory	Med.	Sept. 25	3.90	Sulphur Spoon	(Spoon)	Lemon	Med.	Sept. 25	4.00
*Shalimar (H)	(LP)	Cream	Tall	Sept. 25	3.90	Astoria	(P)	Lemon	Med.	Sept. 28	4.00
Theresa Stone	(P)	Ivory	Med.	Sept. 25	4.15	Freya	(D)	Deep Yel.	Med.	Oct. 1	4.15
Ostosa	(CP)	Pure White	Short	Sept. 25	4.00	Ruby Breithaupt	(LD)	Primrose	Med.	Oct. 1	4.50
Wh. Cloud	(D)	White	Tall	Sept. 25	4.00	**Kings Ransom	(D)	Golden	Med.	Oct. 6	4.50
North Star	(Sgl)	White	Med.	Sept. 28	3.90	Tranquility	(D)	Lt. Lemon	Med.	Oct. 1	4.00
*Pepita	(B)	White	Med.	Sept. 28	3.90	**Chiquita	(B)	Dp. Lemon	Med.	Oct. 1	4.00
Gardenia	(LD)	White	Med.	Oct. 1	3.75	**Illinois	(Inc.)	Brt. Gold.	Med.	Oct. 5	4.50
Spindrift	(D)	White	Med.	Oct. 1	4.00	Newton	(Cactus)	Golden	Med.	Oct. 5	4.25
**Marshmallow	(M-Sgl)	White	Med.	Oct. 5	4.15	**Roulette	(LD)	Br. Yellow	Short	Oct. 5	4.15
Limelight	(P)	Pure White	Med.	Oct. 5	4.00	Polaris	(S)	Gold. Buff	Med.	Oct. 5	4.15
**Lyric	(CS)	White	Short	Oct. 5	4.00	*D Mrs. Rotan	(LD)	Dp. Chr.	Med.	Oct. 5	4.00
Avalanche	(LD)	Cream	Tall	Oct. 5	4.15	Yel. Avalanche	(LD)	Lt. Lemon	Tall	Oct. 5	4.15
**Horizon	(P)	White	Med.	Oct. 5	3.90	**Spode (New)	(L-Inc)	Lemon	Short	Oct. 8	4.00
*Maestro	(CP)	White	Short	Oct. 10	4.15	Sunstone	(Spoon)	Light Yel.	Tall	Oct. 8	4.00
Albion	(LD)	Compact	Med.	Oct. 10	4.25	**Yellow Calumet	(P)	Lemon	Med.	Oct. 10	4.50
Wh. Spoon	(Spoon)	White	Med.	Oct. 10	3.90	**Yel. Spoon	(Spoon)	Lt. Yellow	Med.	Oct. 10	4.00
**Minnesota	(LD)	Incurved	Med.	Oct. 10	4.50	Golden Spoon	(Spoon)	Golden	Med.	Oct. 10	3.90
Wh. Masquerade	(B)	Silvery Wh.	Med.	Oct. 10	4.50	*Yel. Blanket	(B)	Brt. Lemon	Med.	Oct. 10	3.65
**D Silver Plate	(D)	White	Med.	Oct. 12	4.00	Bright Forecast	(P)	Brt. Lemon	Med.	Oct. 10	3.90
**Michigan State	(LD)	Disbud	Med.	Oct. 14	4.50	**Gold Rush	(S)	Lemon	Med.	Oct. 10	4.15
Irene	(B)	White	Med.	Oct. 15	4.15	Alora	(D)	Brt. Lemon	Med.	Oct. 10	4.00
YELLOW						Michigan	(D)	4" & larger clear y.	Oct. 12	4.50	
Pathfinder	(CF)	Lemon	Med.	Aug. 28	4.00	Sunburst	(Cactus)	Golden Yellow	Oct. 12	4.00	
Reverence	(D)	Cham. Yel.	Short	Sept. 1	4.15	Goldfield	(LP)	Semi-Dwf.	Med.	Oct. 12	4.25
*Early Gold	(P)	Golden	Short	Sept. 5	4.25	Moonbright	(Inc.)	Soft Yel.	Med.	Oct. 12	4.00
Sunapee	(P)	Deep Lem.	Tall	Sept. 15	3.75	Sweepstake	(P)	Lemon	Med.	Oct. 12	4.00
*Golden Hours	(P)	Chrome Yel	Med.	Sept. 8	3.65	**Gold Lode	(L. Inc.)	Gold. Yel.	Med.	Oct. 15	4.00
Delight	(P)	Golden	Med.	Sept. 8	4.00	Rodell Imp.	(B)	Lt. Lemon	Med.	Oct. 15	3.65
Genista (New)	(CP)	Canary	Med.	Sept. 12	4.00	Yel. Irene	(B)	Lt. Lemon	Med.	Oct. 15	4.15
**Yellow						Judith Anderson	(B)	Brt. Yellow	Med.	Oct. 15	3.75
Chris Columbus	(LD)	Brt. Lemon	Med.	Sept. 15	3.65	Ohio State	(Cactus)	Golden	Med.	Oct. 15	4.50
						Iowa	(Inc.)	Brt. Lemon	Med.	Oct. 15	4.50

Varieties Marked * Best for Pots. Those Marked ** Best for Spring Flowering

Garden Mums

Variety	Size & Type		Color	Height	Matures	Price 50 Only	Variety	Size & Type		Color	Height	Matures	Price 50 Only						
	(LD)	(LP)						(D)	(P)										
BRONZE & RED																			
Harbinger	(LD)	Gold Brz.	Short	Sept.	8	4.15	*D Huntsman	(LD)	Scar. Or.	Tall	Oct.	10	4.15						
**W. P. Snyder	(LP)	Apr. Oran.	Med.	Sept.	8	4.00	*D Carnival	(LP)	Burnt Or.	Med.	Oct.	10	4.00						
Glow Worm	(D)	Or. Scarlet	Short	Sept.	8	4.00	*James Stewart	(P)	Apr. Gold	Tall	Oct.	10	4.00						
Autumn Song	(D)	Wine Rose	Med.	Sept.	10	3.75	**Purdue	(Inc)	Brz. Gld. Re.	Med.	Oct.	12	4.50						
Geo. Luxton	(LD)	Lt. Bronze	Med.	Sept.	12	4.00	**Majestic	(Inc)	Rosewood	Med.	Oct.	15	4.50						
Early Crimson	(D)	Br. Crimson	Med.	Sept.	15	3.90	Red Enterprise	(P)	Rose Red	Med.	Oct.	15	4.50						
Early Bronze	(B)	Or. Bronze	Short	Sept.	15	3.75	Wisconsin	(Inc)	Apricot	Med.	Oct.	15	4.50						
Chippa Red	(LD)	Maroon R.	Med.	Sept.	15	3.90	Rajah	(S)	Scarlet	Tall	Oct.	15	4.15						
Early Kathleen	(D)	Cop. Brze.	Med.	Sept.	15	4.15	PINK & LAVENDER												
Autumn Beauty	(D)	Chest. Red	Med.	Sept.	15	4.00	Gladness	(D)	China Rose	Short	Aug.	28	4.00						
Apache	(LP)	Red & Gld.	Med.	Sept.	15	4.00	Cecil Beed	(D)	Dp. Lav.	Med.	Sept.	1	3.75						
Red Gold	(B)	Red & Gld.	Med.	Sept.	15	3.90	Salmon Precose	(LD)	Salmon Pk.	Short	Sept.	1	3.90						
Dk. Red Gold	(B)	D. Rd. Sprt.	Med.	Sept.	15	3.90	**Joan Helen	(D)	Dk. Purple	Med.	Sept.	5	3.75						
Flamboyant	(D)	Orange Br.	Med.	Sept.	15	4.00	Purple Star	(P)	Purple	Med.	Sept.	5	3.75						
Companion	(D)	Gold Brze.	Med.	Sept.	15	4.15	Barbara Small	(P)	Lavender	Tall	Sept.	10	4.00						
Sept. Bronze	(B)	Golden Br.	Med.	Sept.	20	3.75	*D Nye's Favorite	(D)	Lavender	Med.	Sept.	10	3.75						
Red Glow	(P)	Dark Red	Med.	Sept.	20	3.90	*Orchid Helen	(D)	Orch. Lav.	Med.	Sept.	10	4.00						
Orsona (New)	(CD)	Red & Brz.	Med.	Sept.	20	4.00	Successor	(D)	Silver Lav.	Med.	Sept.	10	4.00						
Scarlet Crimson	(D)	Bright Red	Med.	Sept.	20	3.90	Violet	(D)	Brt. Purple	Med.	Sept.	15	3.65						
Mme. Cadillac	(P)	Raspberry	Short	Sept.	20	3.90	Royal Robe	(D)	Purple	Med.	Sept.	15	4.00						
Alpena (New)	(D)	Red	Med.	Sept.	25	4.00	Chippewa	(LD)	Brt. Purple	Med.	Sept.	15	3.90						
Plainsman	(D)	Orange Br.	Med.	Sept.	25	4.00	Lorenzo	(Quilled)	Dk. Purple	Med.	Sept.	15	4.00						
Crown Jewell	(D)	Bright P d	Short	Sept.	25	4.00	Purple Spoon	(Spoon)	Soft Purp.	Med.	Sept.	20	4.00						
Bronze Wonder	(LP)	Rosewood	Med.	Sept.	25	3.90	Purple Waters	(P)	Deep Purp.	Med.	Sept.	20	4.00						
Mojave Gold	(LD)	Gold Brze.	Med.	Sept.	26	4.50	Tapestry	(LD)	Bright Pink	Med.	Sept.	20	3.90						
**Remembrance	(LD)	Dp. Carm.	Med.	Sept.	28	3.75	Heather Bloom	(D)	Heather Pk.	Med.	Sept.	20	3.75						
Coppersmith	(D)	Copper	Med.	Sept.	25	4.15	**Alert	(LD)	Dk. Purple	Med.	Sept.	20	3.75						
Crowning Glory	(P)	Coral Brze.	Med.	Sept.	25	4.00	Bl. Litwiller	(P)	Lav. Pink	Med.	Sept.	23	4.50						
D. K. Lehman	(LD)	Orange Br.	Med.	Sept.	28	4.00	Olive Longland	(LD)	Apr. Salm.	Med.	Sept.	25	3.65						
Admiration	(LD)	Salm. Fawn	Med.	Sept.	28	3.75	Imp. Early Wonder	(P)	Lavender	Med.	Sept.	25	3.90						
Jubilee (H)	(P)	Crimson	Med.	Oct.	1	4.00	**Spellbound	(D)	Lavender	Med.	Sept.	25	3.65						
Caprice	(D)	Deep Apricot	Oct.	1	4.15	**Cecelia	(C)	Purple	Short	Sept.	25	3.50							
Leshara	(D)	Mul. Red	Med.	Oct.	1	3.75	**Petrisian Rose	(D)	Rose Pink	Med.	Sept.	25	3.90						
**Fire Engine	(S)	Flam. Red	Med.	Oct.	1	3.75	Evangeline	(D)	Flesh Pink	Med.	Sept.	25	4.00						
Fiesta	(P)	Or. Rust	Med.	Oct.	1	3.90	Jeweltone	(P)	Rose Pink	Short	Sept.	25	4.00						
Red Riding Hood	(D)	Br. Red	Med.	Oct.	1	3.90	Reflection	(D)	Rosy Lav.	Med.	Sept.	25	4.15						
Bonfire	(D)	Br. Red	Med.	Oct.	1	4.15	Pink Quill	(LD)	Shell Pink	Med.	Sept.	25	4.50						
Card. Spoon	(Spoon)	Red. Br.	Med.	Oct.	1	4.15	Lady's Choice	(LD)	Ivory Pink	Med.	Sept.	25	4.00						
Sept. Cheer	(S)	Cherry Red	Med.	Oct.	5	3.65	Edna Rowley	(B)	Pk.Ru.Eye	Med.	Sept.	26	4.50						
Burgundy	(LD)	Wine Red	Tall	Oct.	5	3.75	Rosita	(B)	Lav. Rose	Med.	Sept.	28	3.75						
Ruby Pompon	(P)	Ruby Crim.	Med.	Oct.	5	3.75	Malinda Brown	(P)	Lav. Rose	Med.	Sept.	28	4.00						
Red Velvet	(LD)	Dk. Crim.	Med.	Oct.	5	4.15	Betty	(LD)	Pk.RoseCtr.	Tall	Sept.	28	3.75						
*Mona	(P)	Rust Bronze	Med.	Oct.	5	4.00	Tuneful	(LD)	Rose Pink	Tall	Sept.	28	4.00						
Indian Red	(P)	Unique Rst.	Med.	Oct.	5	4.15	*Pat Lehman	(D)	Peach Pk.	Tall	Sept.	28	4.00						
Courageous	(LD)	Dk. Ruby	Med.	Oct.	5	3.75	Aristocrat H	(LD)	Deep Wine	Med.	Sept.	28	4.15						
*Mrs. DuPont	(LD)	Coral Buff	Tall	Oct.	5	4.15	Artist's Delight	(LD)	Coral Pink	Med.	Sept.	29	4.50						
Aviator	(P)	Copper	Med.	Oct.	8	4.00	Charm Spoon		Soft Rose	Med.	Oct.	1	4.00						
Success	(LP)	Dp. Crim.	Med.	Oct.	8	4.00	Sonny (New)	(P)	Deep Lav.	Med.	Oct.	1	3.75						
Orangeade	(S)	Or. Bronze	Med.	Oct.	10	4.15	Fascination	(LD)	Lav. Pink	Med.	Oct.	1	4.00						
**Calumet	(LD)	Bril. Apri.	Med.	Oct.	10	4.00	*Tiffany Rose	(S)	Dp. Rose	Med.	Oct.	1	3.65						
Northwestern	(Inc)	Amber	Med.	Oct.	10	4.50	Mischief	(S)	Ex.Am.Red	Short	Oct.	1	3.90						
Indiana	(Cactus)	Bronze	Med.	Oct.	10	4.50													

Varieties Marked * Best for Pots. Those Marked ** Best for Spring Flowering

Garden Mums

Variety	Size & Type	Color	Height	Matures	Price 50 Only	Variety	Size & Type	Color	Height	Matures	Price 50 Only
PINK & LAVENDER continued											
Mayflower	(P)	Soft Pink	Med.	Oct. 1	4.00	Rose Spoon	(Spoon)	Lav. Rose	Med.	Oct. 10	3.90
Old Lavender	(LD)	Lavender	Med.	Oct. 1	4.15	Lassie	(LD)	Dk. Pink	Med.	Oct. 10	4.00
Alex Cummings	(LD)	Dp. Rose	Tall	Oct. 3	4.15	*Masquerade	(P)	Lav. Rose	Med.	Oct. 10	3.90
**Petresian Pink	(D)	Lt. Pink	Med.	Oct. 5	3.90	**Joybringer	(D)	Salm. Rose	Short	Oct. 10	3.90
*Lav. Lady	(D)	Lav. Pink	Tall	Oct. 5	4.00	Titania	(P)	Raspberry	Tall	Oct. 12	4.25
Dream Girl	(P)	Lt. Lav.	Med.	Oct. 10	4.15	Ronnie	(B)	Dk. Lav.	Med.	Oct. 12	4.00
**Courtier	(D)	Lav. Pink	Med.	Oct. 10	4.00	Allegro	(P)	Shrimp Pk.	Med.	Oct. 12	4.00
Time	(LP)	Lavender	Med.	Oct. 10	4.00	Adagio	(P)	Rasp. Rose	Tall	Oct. 12	4.00
Orchid Spoon	(Spoon)	Orch. Lav.	Med.	Oct. 10	3.75	Elizabeth Hood	(LD)	Lav. Pk.	Med.	Oct. 15	4.00
						*Jewell	(P)	Lav. Pk.	Med.	Oct. 15	4.00

Cushion Types

Amelia	(D)	Lav. Pk.	Short	Sept. 5	3.50	Cocquette	(P)	Rose Pink	Short	Sept. 25	4.15
Dean Kay	(D)	Shell Pink	Short	Sept. 5	3.50	Capt. J. Smith	(C)	Lv. Pink	Short	Sept. 25	3.50
Rosa	(C)	Rose Pink	Med.	Sept. 5	3.75	**Maj. Cushion	(C)	Lavender	Short	Sept. 25	3.50
Early Harvest	(C)	Mah. Oran.	Short	Sept. 8	4.25	Rouge Cushion	(C)	Bright Red	Short	Sept. 25	3.90
Wh. Cushion	(C)	White	Short	Sept. 15	3.50	Champ. Cushion	(C)	Dp. Bronze	Short	Sept. 25	3.50
Yel. Supreme (H)	(C)	Brt. Lemon	Short	Sept. 15	3.50	Comd. Cushion	(C)	Red	Short	Sept. 25	3.50
**Pomponette	(P)	Golden	Short	Sept. 15	3.65	Mahogany Cushion	(C)	Jasper Red	Short	Sept. 25	3.50
Yel. Cushion	(C)	Lt. Yellow	Short	Sept. 15	3.50	Elite Cushion	(D)	Salmon Br.	Short	Sept. 25	3.50
Powder Puff	(D)	White	Short	Sept. 15	3.75	September Gold	(D)	Lemon	Short	Sept. 25	3.75
Golden Cushion	(D)	Gold. Yel.	Short	Sept. 15	3.50	Purple Cushion	(D)	Purple	Short	Sept. 25	3.75
Golden Carpet	(D)	Golden	Short	Sept. 15	3.90	Lipstick	(C)	Ruby Oran.	Short	Sept. 28	4.25
Bronze Pomponette	(P)	Golden Br.	Short	Sept. 15	4.50	Joyous	(P)	Lv. Ros. Pk.	Short	Sept. 28	4.00
New Marj. Mills	(P)	Ruby Red	Short	Sept. 15	4.25	Twinkles	(D)	Rose Purple	Med.	Sept. 28	3.75
Purple Queen	(P)	Dk. Purple	Short	Sept. 20	4.00	Morocco	(D)	Red Bronze	Short	Oct. 1	4.15
Bronze Queen	(P)	Copper Br.	Short	Sept. 20	4.00	Sam Williston	(C)	Deep Red	Short	Oct. 1	3.50
Toronto	(D)	Bronze	Short	Sept. 20	4.15	Red Cloud	(C)	Best Scarlet	Med.	Oct. 1	3.65
Benora	(D)	White	Short	Sept. 20	4.00						

Varieties Marked * Best for Pots. Those Marked ** Best for Spring Flowering

Carnation Cuttings

**VARIETIES * ARE PATENTED OR RESTRICTED, AND SUBJECT TO SIGNED AGREEMENTS
PLEASE ORDER NOT LESS THAN 100 R.C. OF A VARIETY**

White

	Per 100	Per 1000
White Apollo. Unequalled for year round production	12.50	
Electra (New). Large informal white. Does not split	15.50	
*Hoosier Spice. Very fragrant	15.00	135.00
Northland. Large flower.	12.50	100.00
*White Boston. Clear white sport	20.00	150.00
White Littlefield	15.00	125.00
White Sim Improved	15.00	125.00

Light Pink

Dusty. Sport of Wm. Sim. A new decorator's shade of pastel pink. 250—\$50.00; 500—\$90.00; 1000—\$160.00	
Nancy Thomson. Good light pink	15.00
Light Pink Littlefield	15.00
Light Pink Sim. Popular sports	15.00

Salmon

Athena. Lustrous salmon. Does not split	12.00
Apollo. (Yoder)	10.50
Calypso Sim. Shrimp Pink	15.00
Debbie. Sim sport	20.00
Evans Salmon Sim	15.00
Janie. Light salmon	15.00
Kathleen Ann. Sport of Littlefield	15.00
Laddie Sim. Rich salmon	20.00
Shocking Pink Sim. Dark salmon sport	15.00

Medium and Dark Pink

*Boston. Dark pink Sim	20.00
Charlene. Deep pink, good stem	15.00
Citation. Large flowered rose pink	15.00
Hermes. Good dark pink for summer	13.50
Imp. Sidney Littlefield —Virus free. Better growth, much better color	15.00
Mentor. Rich rose	13.50
*Saugus Pink. Deep soft pink	20.00
Sidney Littlefield. Deep pink	15.00

Maroon, Crimson and Red

Cardinal Sim. King Cardinal shade	15.00
Congo. Exceptionally large, striking dark crimson	20.00
Dark Sim (Laisy). Dark red	15.00
*Ember Sim. Slightly lighter than its parent	20.00

	Per 100	Per 1000
Mrs. C. W. Weld. Maroon	15.00	125.00
*Majestic. Outstanding red with approximate color of Cardinal Sim	20.00	150.00
Selected Red. Sim. Larger, more vigorous	15.00	125.00
Scania —A new selection from Europe	15.00	125.00
Siren. Scarlet, heavy producer	12.50	
Tetra Red. Large brilliant scarlet	20.00	150.00
*Tilly. Maroon, superior to Weld	15.00	125.00
*Tom Knipe. Popular red	15.00	125.00
*Topper. Maroon	15.00	125.00
*William Sim. Widely grown red	20.00	150.00

Yellow

*Brigadoon. New. Clear lemon yellow. Does not split	200.00
Harvest Moon. Pleasing buff	15.00
Shirley Ann. Improves Millers Yellow	15.00
Braun's Yellow Sim. Best Yellow Sim Sport	25.00

Variegated and Novelties

Anniversary. Resembles Scarlet Sim, but retains its color better	15.00	125.00
Coopers Var. Sim. Like Mamie with more red	15.00	125.00
Frosted Weld. Red, Silver edges	15.00	125.00
Gaiety. Pink overlaid red	20.00	150.00
Harlequin. Lavender pink with purple marking	15.00	125.00
*Hoosier Gold. Clear yellow, pink stripes	20.00	175.00
Lavender Rose. Rose with lavender cast	15.00	125.00
Mamie. White blotched red	15.00	125.00
*Mohawk. Yellow with pink stripes	15.00	125.00
Mrs. Christian Herter. Garnet with white edge. Shade lighter than Pelargonium, outproduces Sim	15.00	125.00
Orchid Beauty. Clear orchid	15.00	125.00
Pelargonium. Maroon and white	15.00	125.00
Peppermint Sim. White with red penciling	15.00	125.00
Peppermint Stick Littlefield	15.00	125.00
*Raspberry Ice. White overlaid orchid	12.50	100.00
Peking Pink Littlefield. Dark pink shading to scarlet center, white edges	15.00	125.00
Purple Littlefield. Purple	15.00	125.00
*Sarah Jane Knipe. Magenta with silver edges	15.00	125.00
Scarlet King. Orange red, silver edges	15.00	125.00
Scarlet Sim. Quite similar to Scarlet King ..	15.00	125.00
*Starlite. White with pink stripes	10.00	90.00
*Symphony. Mauve with purple stripes	20.00	150.00
*Tetra Sarah Jane. Magenta with silver edges	25.00	200.00
Variegated Lavender Littlefield	15.00	125.00

Collections Our Selections

Rooted Cuttings of a given number of varieties may be ordered as a Collection. Example — 500 R. C. — 50 each of 10 varieties, or 350 R. C. — 50 each of 7 varieties. Any desired quantity may be ordered in units of 50 or more. Minimum collection is for 300 R. C. Please state if Standards or Pompons are wanted, also Week Group desired.

COLLECTION PRICES PER 100

300-450	500-950	1000 Up
6.00	5.75	5.50

Garden Variety Collections

For Growers who are not familiar with Garden Varieties, but who want a well balanced assortment, we offer the following Collections which include the better varieties for each specific purpose.

COLLECTION #1

Taller Varieties for cuttings

COLLECTION #2

For bedding or borders.

COLLECTION #3

50% for Cutting
50% for Bedding

COLLECTION #4

For Easter, Mother's Day or Memorial Day Pots.

COLLECTION #5

Cushion Varieties only

On Winter Sprays and Standards

(YODER BROS.)

We continue to observe much maltreatment of winter crops from the temperature, relative humidity and ventilation standpoint.

For inter-connected units or crops at different stages of development the most efficient and effective temperature recommendations we can make are **cool 60° crops**. The house temperature is run at a straight 60° level night and day, cloudy or sunny. This is the lowest, safest, minimum. It is the night temperature that counts. Eliminating fluctuation promotes steady, gradual growth. Keeping day temperatures down encourages more ventilation with corresponding reduction in relative humidity. This promotes stronger, heavier stems. On very bright days temperatures will frequently go higher but this should be due to radiant heat from the sun rather than convective greenhouse heat.

This cooler average temperature cuts costs and exploits the lower temperature tolerance being bred into some of the newer, 11 through 14 week varieties. **Acclaims, Icicap, Illini Cascade, Sculpture, Illini Alba, Coronation, Dark Yellow Satellite, Esquire, Souvenir, Yellow Galaxy, Lollipop, Illini Brighteyes, Alvoda, Delmar, Jubilation, Magic Thelma, Crackerjack** and **Galaxy** all take the procedure well. **Corsair** and **Sun Valley** in late January and February programs are excellent only if a higher 63° minimum or initiation at 65° is maintained.

Two new 14-week varieties **Elegance** and **Golden Elegance** are outstanding in their natural December 20th season. However they fail to elongate sufficiently in January and February and are too short. They are responsive and tolerate cool 60° temperatures well, but they require two additional long day weeks over the 14-week schedule to obtain sufficient stem length in January and February. Consequently they are considered inefficient for those periods.

The new varieties, **Icicap** (13-week white pom) and **Coronation** (13-week yellow dec.), have proven to be very productive and dependable sprays with cool 60° treatment for January and February.

All the Indianapolis varieties plus **Mefo's** and **Queen's** give very good results.

Indianapolis varieties given the cool 60° treatment plus interrupted light (9-12) provide high quality winter standards.

The problem of winter quilling in **Indianapolis** is now better understood. With winter light conditions the lower the finishing temperatures, the greater the incidence of quilling. While scattered cases have reported no petal increase with the use of interrupted light, the general comment has been favorable. We know that accurate temperature control plus a good all round job of growing consistently results in success. In any case 9-12 interruption on standards does no harm. Continued use of it for winter standards is recommended.

If reliability, size, petallage, and form retention are needed traits to earn the most dollars per unit area for the northern grower, **Mefo's** still rate close to or at the top of the winter list. **Queen's** with abrupt shade, frequently show much open center. They can be improved, and are markedly benefitted by interrupted light.

We repeat, the **Improved Ind. White** provides a form improvement on Ind. White during the winter and early spring period. Meaning, there is no increase in diameter, but a retention of the normal incurved form with no quilling. Under conditions of **high 60°** flowering in winter (some growers are running 63°-65° winter crops) the Imp. Ind. White will blow open more rapidly and is not as desirable as the regular Ind. White. Under normal conditions of 60° and especially where Ind. is finished cool, the Imp. Ind. White provides the best variety for depth, incurvature and color clarity.

Lots of interest is brewing over the new European import **Fred Shoesmith**. True, it is superlative in its right period but it is far from being fool-proof throughout the year.

In our late January-February 60° units we found the stems to be quite weak and not saleable. In the same period finished at 50° the stems were very satisfactory. For our latitude it requires 10 week timing and cannot be crowded. Spacings of 6" X 6" for single stem or 8" X 8" retaining two stems are close to minimum in winter.

The best periods for Fred Shoesmith are mid October (prepare to protect it if it is hot) through December and mid March through June. These are the periods when temperatures allow for a relatively slow, cool finish. The cooler finish permits the development of a tightly incurved form. Higher finishing temperatures produce some degree of lower petal reflex. It is a very slow 10 week or early 11 week response. We list it as a 10 because 10 week timing is normally required to obtain sufficient stem. It should be good in air cooled summer greenhouses but is as sensitive to burning and botrytis petal blight during high temperature as Indianapolis White. In the South, under higher, light conditions it should be fine in January-February. Here, at that time, it does require a 50° finish. It does not pink or quill.

Balcombe Perfection and Red Balcombe Perfection, 11 week bronze and red standards, achieve maximum size and perfection only in late fall when finished cool. They are therefore recommended from mid October through December. The Balcombe's are very short heavy growing varieties and require two additional long day weeks to achieve sufficient stem length.

They are quite vegetative and uneven in response during northern winters. High temperatures of spring and summer distort form and causes rapid color loss.

Given time and space they can produce a caliber of form and color not yet equalled by any other presently available red standards.

Good winter crops in the North continue to stress and give very close attention to these three basic requirements:

(1) **Temperature and ventilation.** Too low is just as fatal as too high. The **cool 60°** recommendation is best suited to a wide range of latitudes and light conditions. Closed, humid houses make for soft spindly growth. **Good ventilation** is a must to reduce relative humidity and pays significant dividends when correctly handled.

(2) **Soil and its treatment.** Open, well drained soil can never be over emphasized. When light is a limiting factor the chrysanthemum plant is much more sensitive to overwatering and to soluble salt content than at any other period of the year. We continue to see marked improvement and benefits when sterilization is arranged to just precede the plantings for winter crops. Additions of peat should be made gradually with the precaution of thorough soaking prior to planting. Particles of dry peat within the body of the planting soil frequently do much damage to roots.

(3) **Spacing.** While closely correlated to the available light conditions, the general single stem recommendations for northern growers are:

4" X 6" or 5" X 5"	May to mid October flowering.
5" X 6"	Mid October-November, March-April
6" X 6"	December, January, February

With only slight modifications all growers face correct solutions to the above problems. The difference between a job well done and a near miss frequently is the result of a salesman's correct suggestions and the ability of the grower to use and combine them with his own know-how. More and more salesmen are realizing how valuable it is to have the correct suggestion at the right time and to be able to diplomatically get the idea across.

Some Observations and Comments On Pot Plants

Some customers have reported that the variety **Oregon** during January and February has not come up to early claims. Soft flowers turning into darkened centered blooms in retail shops are the major complaint. Minor reports of botrytis sensitivity have been received from areas of high relative humidity.

The cause is primarily overcropping. **Short treatment** has been and still is recommended. Medium treatment often produces a plant too small to support Oregon's large flowers. High (65°) temperatures frequently required by Bonn. Deluxe are often excessive under winter conditions, for Oregon. The variety should always be disbudded and the earlier the better. Single pinching on large varieties such as Oregon is still the best bet. Low relative humidity (using good ventilation practices) coupled with cool finishing temperatures (55°) always contribute to quality improvement. Again clean glass and good light conditions are important especially so under the limited light conditions of mid winter. Overcrowding, with inadequate and late spacing should be avoided.

Here is a suggestion for producing fully **double flowers on Delaware and Yellow Delaware**. While our experience to date is limited to one March series it surely works, is easy and looks very promising. For winter our **regular** Delaware schedule calls for three (3) weeks of lights to the pinch plus one (1) week of light to final shade. This is the normal abrupt shade, short treatment. To produce double flowers plant and light for 3 weeks (21 long days), pinch and then follow with 2 weeks of shade (14 short days) then light for 1 week (7 long days) and give final shade. This 14-7 interrupted light treatment will provide the same number of long days as the abrupt shade treatment and the crop will mature about 1 week earlier than the regular treatment with just about the same height of plant. Temperature maintenance at 60° minimums for the crop duration up to visible buds is very important. Sharp response is closely correlated to correct temperature control. The flowers are very nearly double.

All varieties classed as "tall" should not be used in small pots for they do not fit the minimum schedule. They will be too tall regardless of the treatment applied. Only the "medium" and "short" varieties lend themselves well to small pot culture. A minimum of one week from plant to pinch is essential. In small pots a "medium" variety would be planted, given short days immediately and pinched seven days later. A "short" variety would be planted, given seven long days, pinched and short days started simultaneously. This is late spring, summer and early fall timing. Adjustments should be made in a similar manner for other periods.

For top quality pot specimens, foliage should rarely overlap from one pot to another during the growing period. For a six inch pot, a maximum of 1½ sq. ft. or 196 sq. inches of bench area is generally needed to finish each pot. Five inch pots require 120 sq. inches; four inch pots, 64 sq. inches or 2½ pots per sq. ft.; three inch pots, 25 sq. inches or 5-6 pots per sq. ft.

SUNDRIES

ELECTRA—Fertilizer—5-10-3 Organic	80 lbs.— \$6.00
HORMODIN No. 1	1 lb. Tin— 3.00
ROOTONE—a plant Hormone powder for rooting cuttings	2 oz.—\$1.00; 1 lb.— 5.00
PLANTHION—Wettable, 15% (For outdoor use only). Good control on Cyclamen mite on Delphinium, and also good for Red Spiders	4 lbs.— 4.00
SNAROL PELLETS—Cutworms, snails, etc.	6 lbs.— 2.00

LETHALAIRE

G-52	G-53	G-54	G-57	G-60	G-61	G-62
5% TEPP	5% DDT	10% Parathion	5% Dithiono	10% Aramite	Lindane-Aramite 15% Malathion	
\$6.50	\$8.50	\$8.00	\$8.00	\$12.00	\$12.50	\$9.75
GAS MASK G-3 F D—Complete with Canister, cardboard carton						\$27.00
GAS MASK G-3 F D—Complete with Canister, fibre carrying case						\$35.00
EXTRA CANISTERS						4.50
LETHALAIRE APPLICATORS—24" with cylinder pack						7.00
36" with cylinder pack						7.25
48" with cylinder pack						7.50

BIRD VITA-BANDS



	1½ x 1½ x 2½	1¾ x 1¾ x 2½	2 x 2 x 2½	2 x 2 x 3	2½ x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
Vita-Band "10"								
Price Per M	\$4.70	\$5.00	\$5.25	\$5.75	\$6.25	\$6.90	\$9.00	\$11.25
Quantity Per Case	2000	2000	2000	2000	2000	1000	1000	500
Weight Per Case	33	38	42	51	63	37	50	33
Vita-Band "H"								
Price Per M		\$6.10	\$6.45	\$7.55	\$8.10	\$8.50	\$10.45	\$12.90
Quantity Per Case		1000	1000	1000	1000	1000	500	500
Weight Per Case		26	30	36	44	52	35	46
Vita-Band "D"								
Price Per M	\$4.85	\$5.15	\$5.35	\$6.05	\$6.30	\$7.05	\$9.25	\$11.60
Quantity Per Case	2000	2000	2000	2000	2000	2000	1000	1000
Weight Per Case	18	21	23	28	34	40	27	35

FUMIGANTS, INSECTICIDES, Etc., for Florists

DEENATE 50-W-DuPont DDT Wettable Powder.....	4 lbs.—\$2.50, 25 lbs.—\$18.75
5% D.D.T. for dusting	5 lb. cans—\$ 1.25
TERRACLOR—Useful in control of stem rot—Carnations, Poinsettias, Chrysanthemums	5 lb. bag—\$ 5.50
FERMATE	3 lbs.—\$2.45; Case (36 lbs.)—\$25.80
PARZATE—Excellent organic fungicide	3 lbs.—\$2.70; Case (12 3-lb. bags)—\$31.20
ZERLATE	3 lbs.—\$2.45; Case (36 lbs.)—\$25.80
ARAMITE, 15 W	4 lb. bag—\$3.50
OPTOX—Effective insecticide	1 gallon 10% DDT—\$10.00
ORTHOCLIDE 50-W (Captan)	50 lb. drums—\$54.00; 5 lbs.—\$ 5.70
DU PONT SPREADER STICKER—Combined spreader and sticker.	
Pint—\$1.25	1 gallon—\$9.00
NICO-FUME LIQUID	1 gal. (8 lbs.)—\$12.50; 5 gals. (40 lbs.)—\$53.75
NICO-FUME PRESSURE FUMIGATORS —	
1 case (12 ½-lb. cans)—\$5.65; 1 case (12 1-lb. cans)—\$10.00	
PLANTFUME 103	5,000 cu. ft. cartons—36—\$12.00; 20,000 cu. ft. carton—12—\$12.00
MALATHION	4 lb. 25% Wettable Powder—\$ 2.80 1 Gal. Emulsion—\$12.50
VAPOTONE XX—The new Red Spider spray of Hexaethyl Tetra-Phosphate.....	1 gallon—\$11.90

Prices Subject To Change